

Marine Studies of San Pedro Bay, California

• SCU-T-74-004

c. 2

# PART V

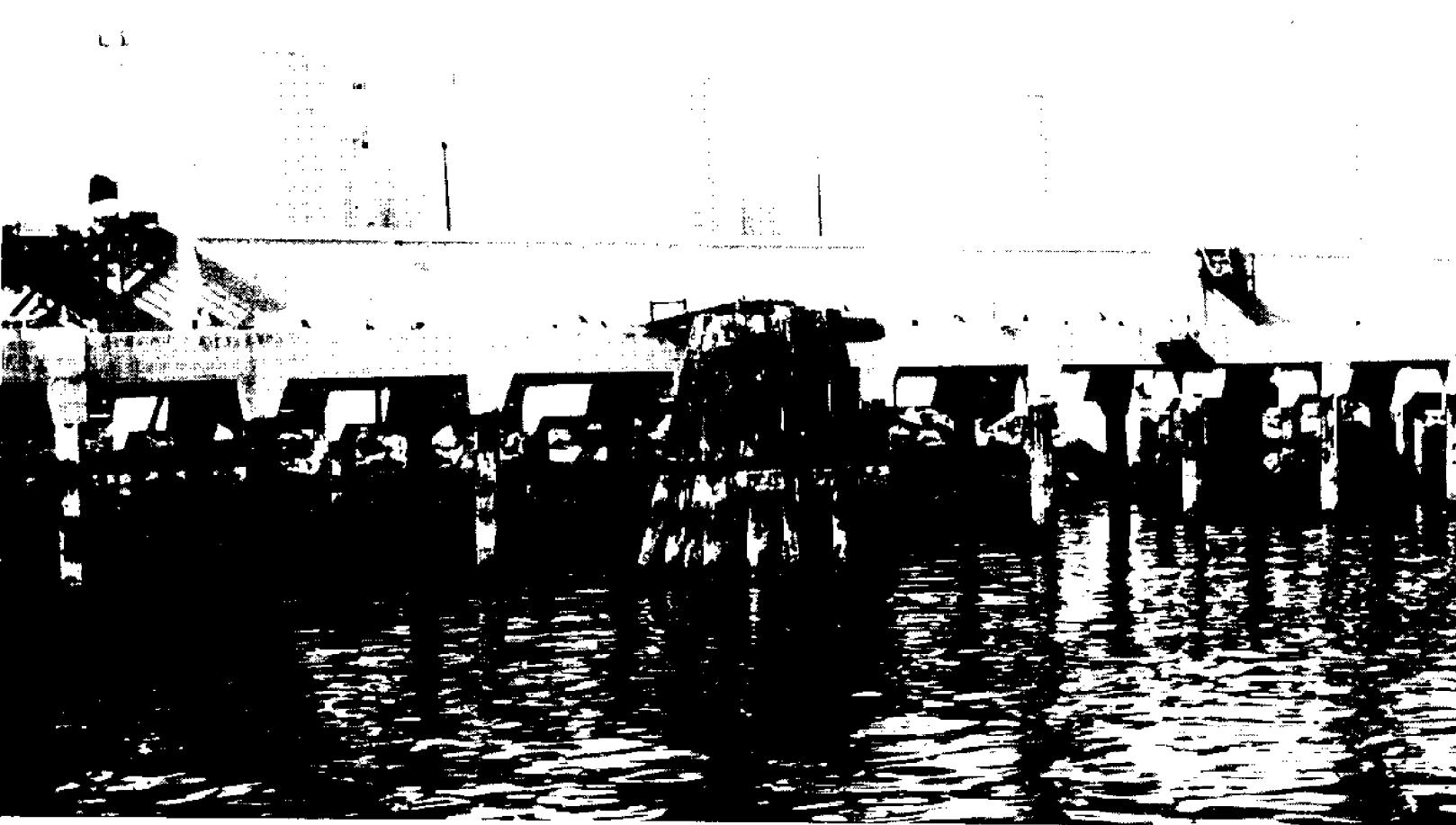
## DATA REPORT.

TEMPERATURE, SALINITY, OXYGEN and pH

in outer Los Angeles Harbor

June 1971 to November 1973

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edited by  
Dorothy F. Soule  
and  
Mikihiko Oguri

Published by  
The Allan Hancock Foundation  
Harbors Environmental Projects  
and  
The Office of Sea Grant Programs  
University of Southern California  
Los Angeles, California 90007

February 1974

USC-SG-3-74

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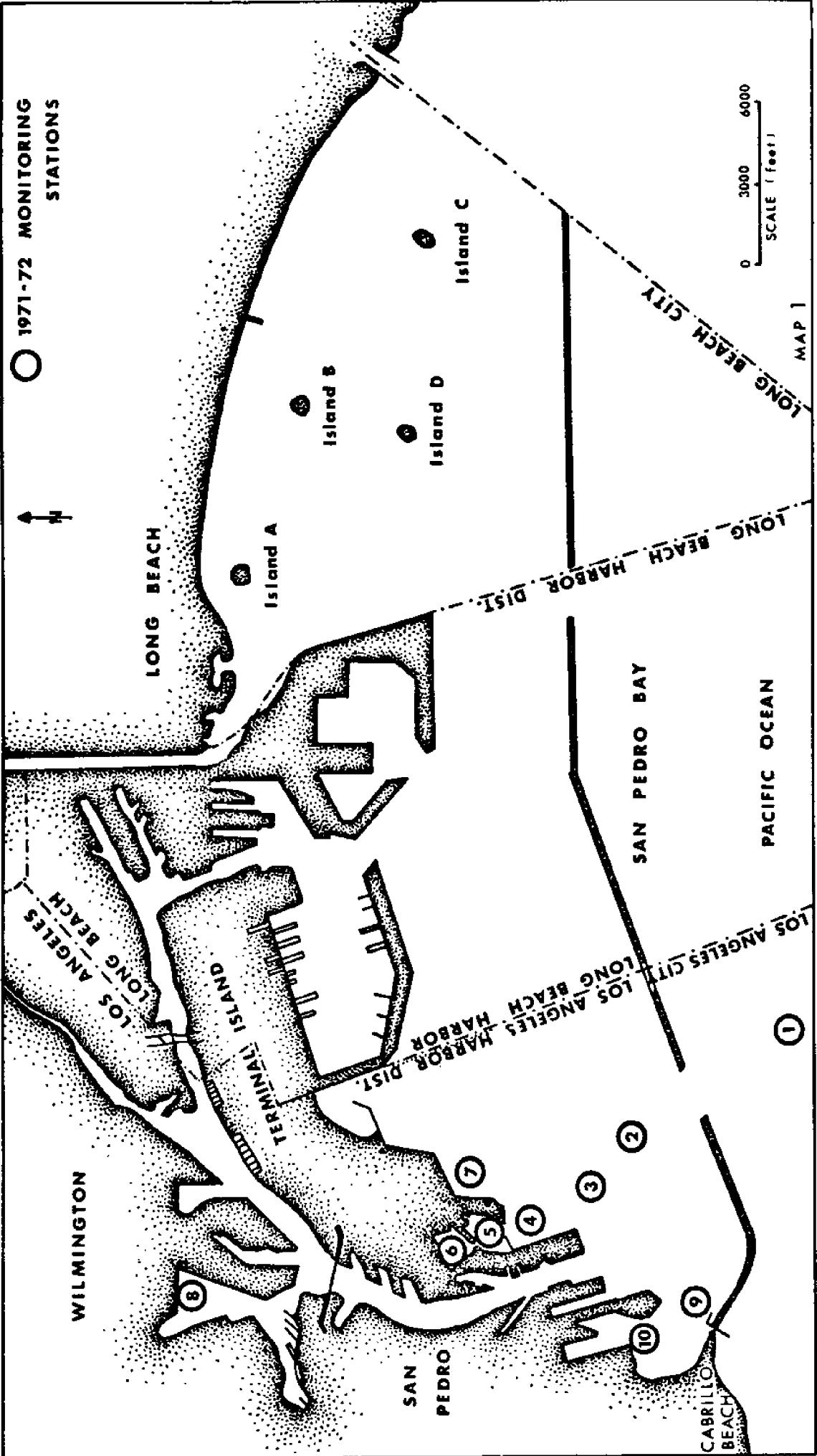
### Acknowledgments

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Additional field investigations and research support have been provided by the Allan Hancock Foundation, University of Southern California, the Los Angeles Harbor Department, the Tuna Research Foundation, Pacific Lighting Service Company, Southern California Gas Company, and the U.S. Army Corps of Engineers.

*Cover photograph by John Soule*

○ 1971-72 MONITORING STATIONS



## MARINE STUDIES OF SAN PEDRO BAY, CALIFORNIA. PART V.

DATA REPORT  
TEMPERATURE, SALINITY, OXYGEN, AND pH IN OUTER  
LOS ANGELES HARBOR, JUNE 1971-NOVEMBER 1973by  
Harbor Environmental ProjectsAllan Hancock Foundation  
University of Southern California  
Los Angeles, California 90007

Under funding by Pacific Lighting Service Company and the USC Sea Grant Program, monthly readings of temperature (degrees C), conductivity (conversion based on the method of Weyl, 1964, to salinity), dissolved oxygen ( $\text{DO}_2$ ), and pH were taken in the outer Los Angeles Harbor. In 1971-72 a Martek II was used, and in 1973 a Martek III was added, to obtain profiles in depth at one meter increments.

Difficulties inherent in measurement include occasional poisoning of the  $\text{O}_2$  probe by contact with sulfide when  $\text{DO}_2$  levels were low. Winkler oxygen analyses were taken periodically to develop a curve for standardization. The drop in salinity readings in 1973 may be an artifact, due to inherent calibration differences, although the shape of the curves remains consistent. No data available presently indicate other reasons for the sizeable salinity changes.

The Allan Hancock Foundation initiated, in 1973, a data bank for physical, chemical, and biological data on the Los Angeles-Long Beach Harbors and adjacent waters from which the present data report is extracted.

Scripps Institute of Oceanography has published a Data Report annually on surface water temperatures at shore stations along the United States west coast; such data can be used for comparison with harbor temperatures (SIO, 1970, 1971, and 1972). The Port of Los Angeles and the Department of Water and Power have recorded temperatures at the surface and at 20 foot depths in the harbor for some years. Graphs of the high and low temperatures from 1969-1972, compiled from those sources are included in Soule, 1974.

Because the Allan Hancock Foundation harbor monitoring program was expanded in January-February 1973, at the request of the U.S. Army Corps of Engineers, to cover all of the

harbor area, station designations were changed. The outer Los Angeles Harbor stations changed from 01-07 to A1-A7, and stations were added to cover Long Beach Harbor (B), the inner Harbor (C), and the area between the Los Angeles and San Gabriel Rivers (D). Station 08 in West Basin then shifted to a C6 designation.

Because of the original limitations in time, personnel, and funding, it has not been possible to monitor the entire area more frequently than the monthly intervals. However, monitoring for the Tuna Research Foundation has been conducted biweekly at the outfalls area and in Fish Harbor. Since the occurrence of low oxygen episodes in November 1973, monitoring has been conducted for Star Kist Foods on a daily basis in that area. Although the monthly readings show the seasonal trends, they often do not coincide with the lowest oxygen episodes nor with the highest, supersaturated oxygen periods that are produced by phytoplankton blooms. Readings as low as 0.0 ppm DO<sub>2</sub> and as high as 16.0 ppm DO<sub>2</sub> have been observed.

MINIMA AND MAXIMA OF PHYSICAL WATER QUALITY PARAMETERS. The graphs presented herein are produced by computer plot. Single monthly readings are taken at each station at one meter increments to give profiles of parameters with depth. Each monthly segment shows readings at 0, 5, 10, 15, and 20 meters on the horizontal axis and the appropriate unit of temperature, salinity, dissolved oxygen or pH on the vertical axis. Dotted lines connect the highs and lows to show seasonal trends, while solid lines between the dotted lines indicate changes in the profile with depth.

Complete data, from which the graph points are taken, are presented in the computer printout tables following the graphs. In some instances, more than one reading was taken in a month, as indicated by duplicate readings for various depths.

LITERATURE CITED

Scripps Institute of Oceanography. 1970. Data Report.  
Surface water temperatures at shore stations, United  
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70-26, 23 p.

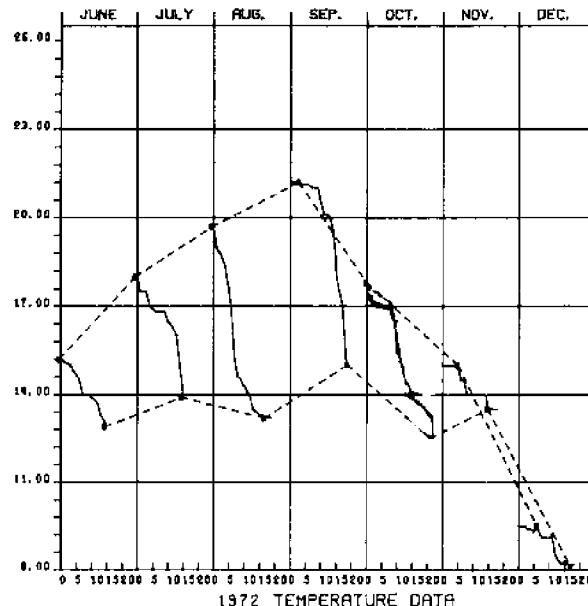
Scripps Institute of Oceanography. 1971. Data Report.  
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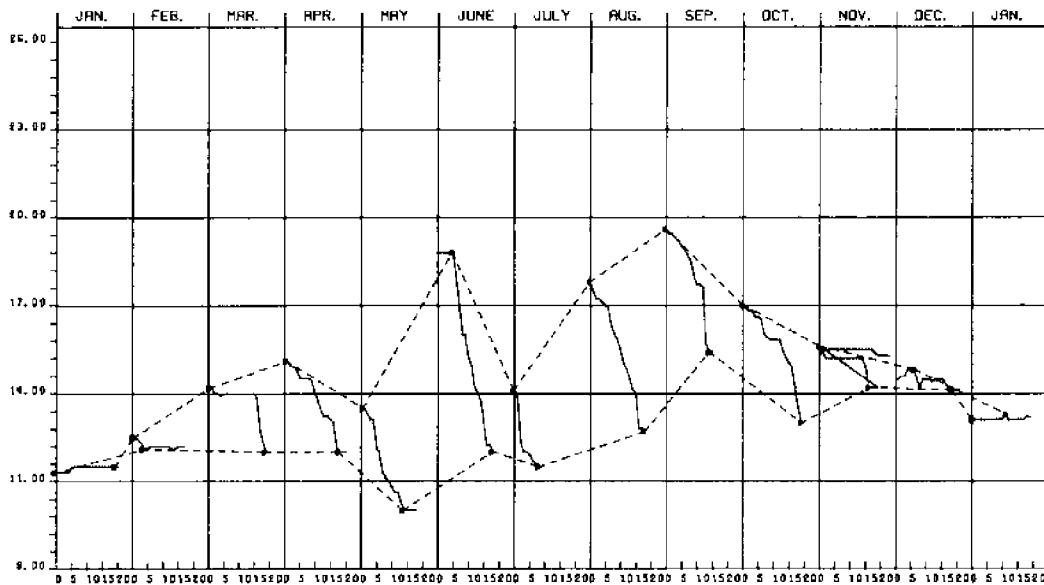
Soule, D. F. 1974. Thermal effects and San Pedro Bay.  
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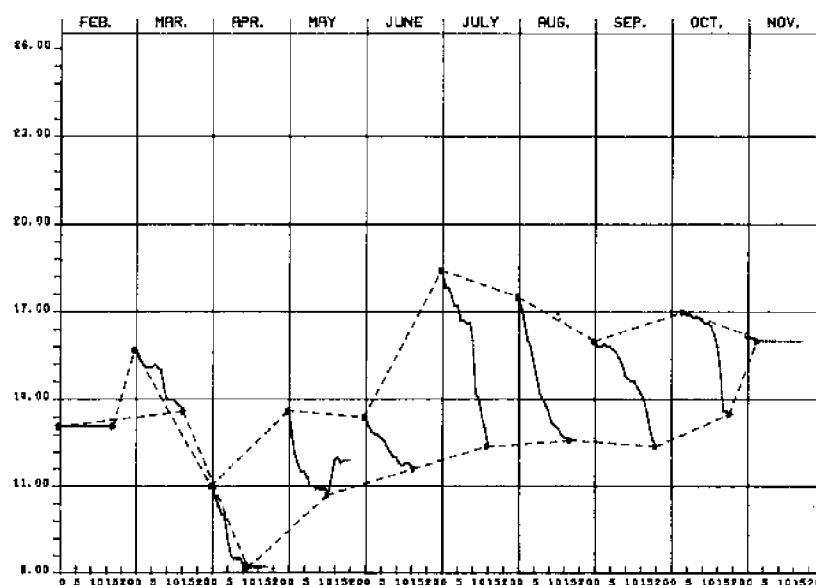
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 DATA: DEPTH METERS / TEMP CELSIUS



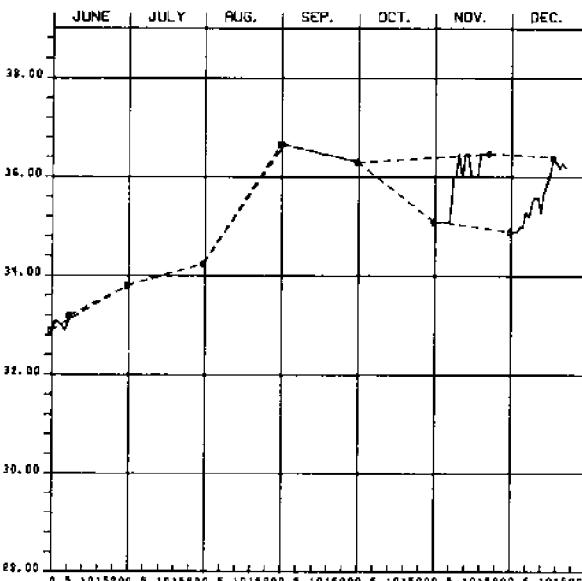
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 DATA: DEPTH METERS / TEMP CELSIUS



1973 TEMPERATURE DATA  
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 DATA: DEPTH METERS / TEMP CELSIUS

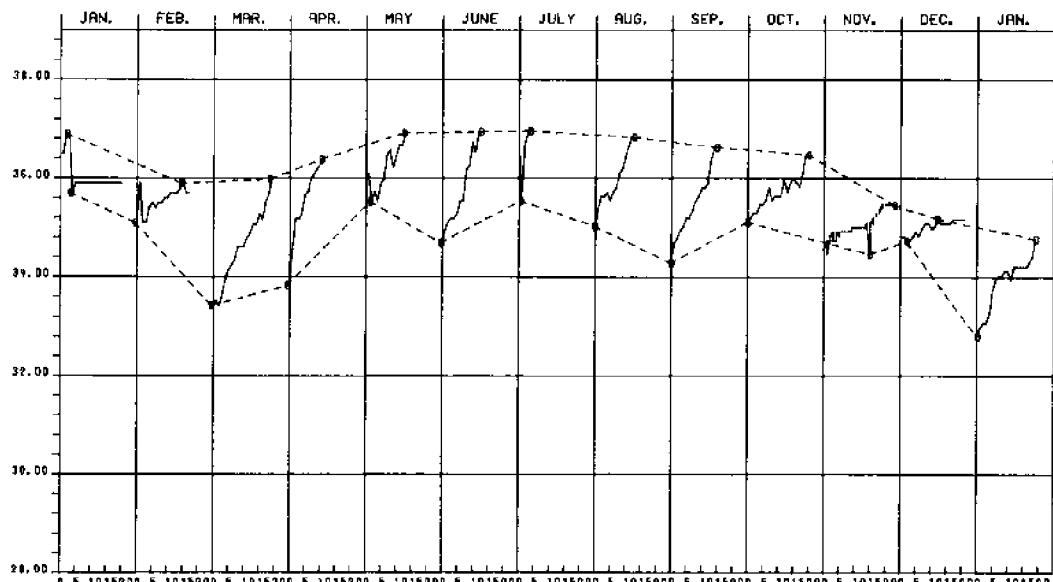


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 DATA: DEPTH METERS / SAL PPT



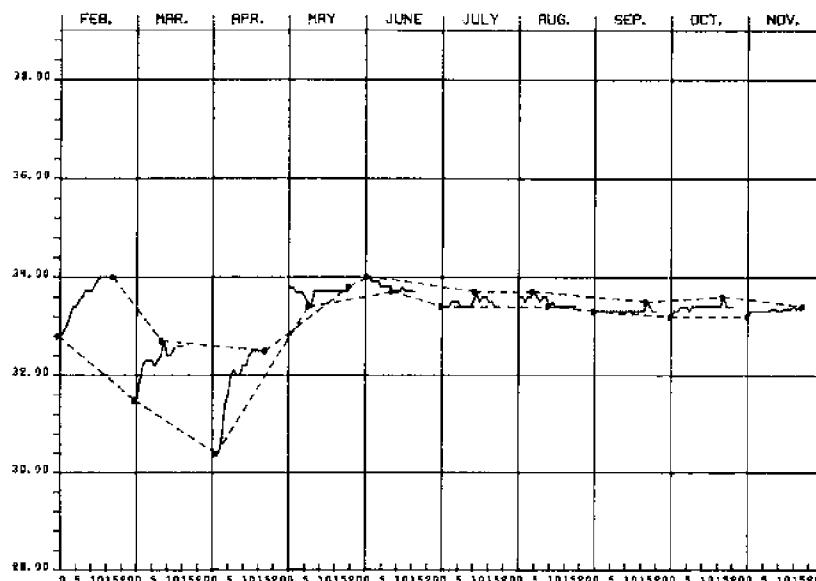
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 DATA: DEPTH METERS / SAL PPT

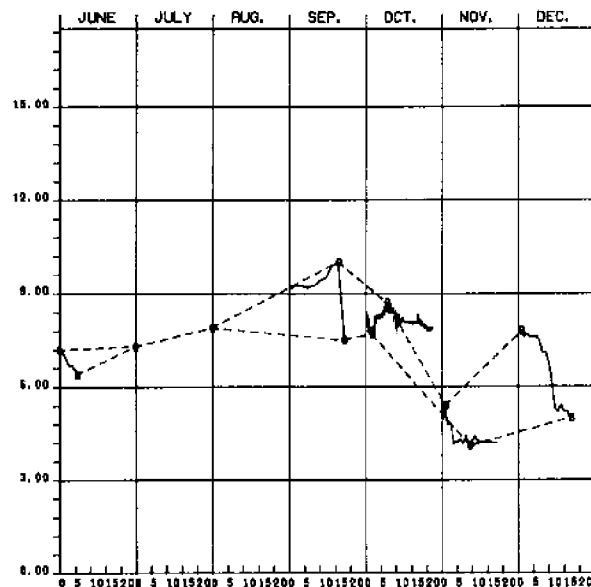


1973 SALINITY DATA

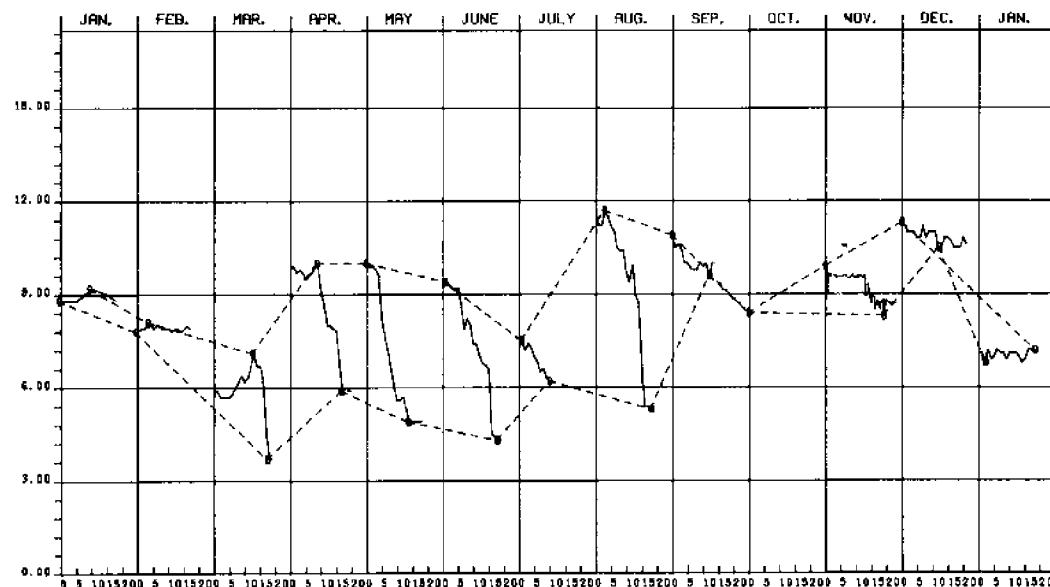
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 DATA: DEPTH METERS / SAL PPT



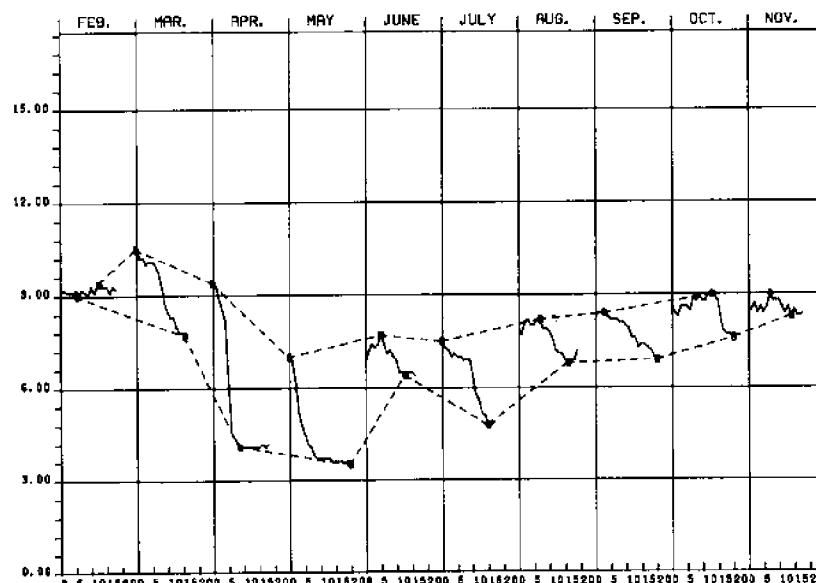
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DATA: DEPTH METERS / DIS OXG PPM



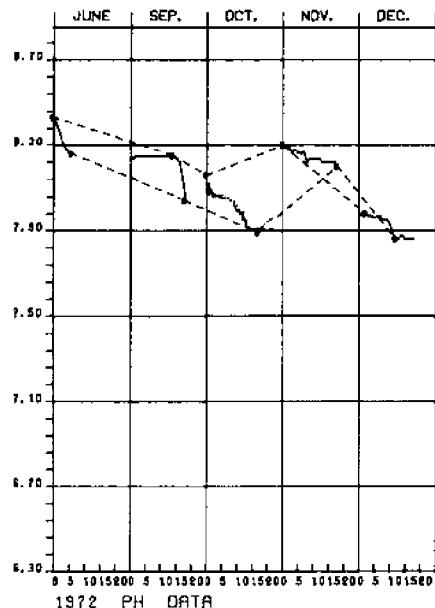
1972 DISSOLVED OXYGEN  
STATION: 01 SEA BUOY (71-72)  
DATA: DEPTH METERS / DIS OXG PPM



1973 DISSOLVED OXYGEN  
STATION: R1 SEA BUOY  
DATA: DEPTH METERS / DIS OXG PPM

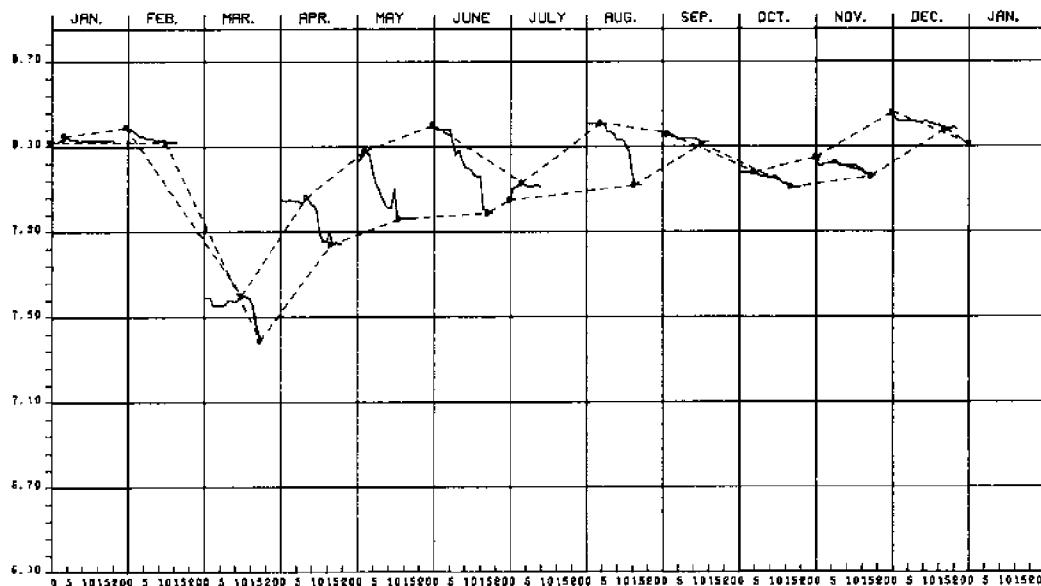


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DATA: DEPTH METERS / PH H ION CONC

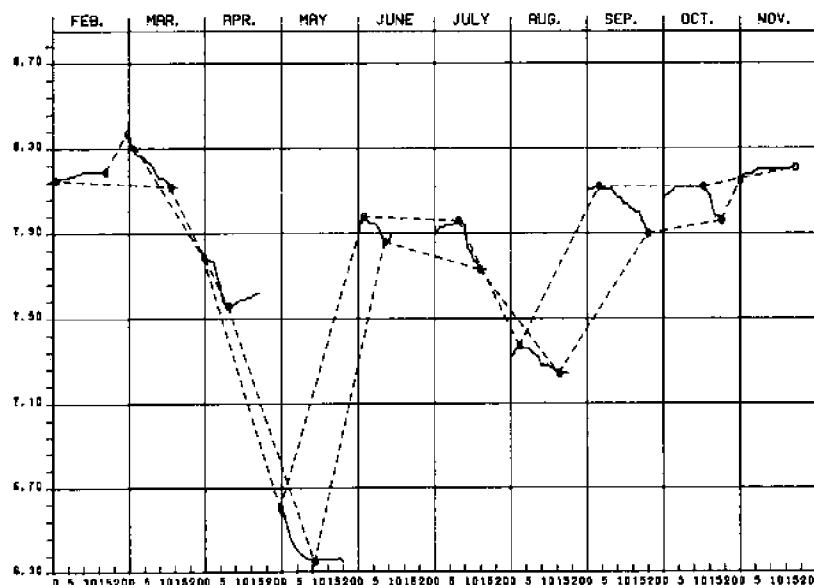


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STATION: 01 SEA BUOY (71-72)  
DATA: DEPTH METERS / PH H ION CONC



1973 PH DATA  
STATION: R1 SEA BUOY  
DATA: DEPTH METERS / PH H ION CONC



## PHYSICAL DATA REPORT

STATION: 01 SEA BUOY (71-72)  
LATITUDE 033:41:57 N LONGITUDE 118:14:33 W

RECORDING DATE	- DEPTH - METERS - FEET	TEMPERATURE C	SALINITY PPT	OIS QXC PPM	PH ION CONC
JUNE * 71	00 0.0	15.2	59.4	32.90	7.20
	01 3.3	15.1	59.2	33.10	7.10
	03 9.8	15.0	59.0	33.00	6.70
	04 13.1	14.8	58.6	32.90	6.70
	09 19.7	14.5	58.1	33.20	6.40
	07 23.0	14.3	57.2		
	04 29.5	14.0	57.2		
	10 32.8	13.9	57.0		
	12 39.4	13.7	56.7		
	13 42.6	13.3	55.9		
	15 49.2	12.9	55.2		

JULY \* 71 00 0.0 18.0 64.4 33.61 7.30

RECORDING DATE	- DEPTH - METERS - FEET	TEMPERATURE C	SALINITY PPT	OIS QXC PPM	PH ION CONC
JUNE * 71	00 0.0	18.0	64.4	33.61	7.30
	01 3.3	17.5	63.5		
	03 9.8	17.5	63.5		
	04 13.1	17.6	62.6		
	04 19.7	16.8	62.2		
	07 23.0	16.8	62.2		
	09 29.5	16.8	62.2		
	10 32.8	16.5	61.7		
	12 39.4	16.2	61.2		
	13 42.6	16.0	60.8		
	15 49.2	13.9	57.0		
SEPT * 71	00 0.0	21.2	64.4	36.65	7.40
	01 3.3	21.2	64.2	36.65	7.20
	02 6.6	21.2	64.2	36.65	7.25
	03 9.8	21.2	64.0	36.65	7.25
	04 13.1	21.1	64.0	36.65	7.25
	05 16.4	21.1	70.0	36.65	7.25
	06 19.7	21.1	70.0	36.65	7.25
	07 23.0	21.0	69.8	36.65	7.25
	08 26.2	21.0	69.8	36.65	7.25
	09 29.5	21.0	69.8	36.65	7.25
	10 32.8	20.5	68.9	36.65	7.25
	11 36.1	20.1	68.2	36.65	7.25
	12 39.4	20.1	68.2	36.65	7.25
	13 42.6	20.0	68.0	36.65	7.25
	14 45.9	19.5	67.1	36.65	7.25
	15 49.2	18.0	64.4	36.65	7.25
	16 52.5	17.5	63.5	36.65	7.25
	17 55.8	17.0	62.6	36.65	7.25
	18 59.0	15.2	59.4	36.65	7.25
	19 62.3	15.0	59.0	36.65	7.25

PHYSICAL DATA REPORT

STATION: 01 SEA BUOY (71-72)  
LATITUDE 033:41:57 N LONGITUDE 118:14:33 W

RECORDING DATE	- DEPTH - METERS - FEET	TEMPERATURE C	SALINITY PPT	OIS QXC PPM	PH ION CONC
JUNE * 71	00 0.0	18.0	64.4	33.61	7.30
	01 3.3	17.5	63.5		
	03 9.8	17.5	63.5		
	04 13.1	17.6	62.6		
	04 19.7	16.8	62.2		
	07 23.0	16.8	62.2		
	09 29.5	16.8	62.2		
	10 32.8	16.5	61.7		
	12 39.4	16.2	61.2		
	13 42.6	16.0	60.8		
	15 49.2	13.9	57.0		
SEPT * 71	00 0.0	21.2	64.4	36.65	7.40
	01 3.3	21.2	64.2	36.65	7.20
	02 6.6	21.2	64.2	36.65	7.25
	03 9.8	21.2	64.0	36.65	7.25
	04 13.1	21.1	64.0	36.65	7.25
	05 16.4	21.1	70.0	36.65	7.25
	06 19.7	21.1	70.0	36.65	7.25
	07 23.0	21.0	69.8	36.65	7.25
	08 26.2	21.0	69.8	36.65	7.25
	09 29.5	21.0	69.8	36.65	7.25
	10 32.8	20.5	68.9	36.65	7.25
	11 36.1	20.1	68.2	36.65	7.25
	12 39.4	20.1	68.2	36.65	7.25
	13 42.6	20.0	68.0	36.65	7.25
	14 45.9	19.5	67.1	36.65	7.25
	15 49.2	18.0	64.4	36.65	7.25
	16 52.5	17.5	63.5	36.65	7.25
	17 55.8	17.0	62.6	36.65	7.25
	18 59.0	15.2	59.4	36.65	7.25
	19 62.3	15.0	59.0	36.65	7.25

PHYSICAL DATA REPORT

## PHYSICAL--DATA--REQUEST

## PHYSICAL--DATA--REPORT

RECORDING DATE		DEPTH METERS		TEMPERATURE °C		SALINITY PPT		DIS CXG PPM		PH ION CONC	
NOV	*71	00	0.0	15.0	59.0	35.05	4.60	8.30	OCT	17.2	63.0
01	3.3	15.0	59.0	35.05	4.40	6.25	6.25	0.0	0.0	17.6	64.0
02	6.6	15.0	59.0	35.05	4.80	6.29	6.29	0.1	3.3	17.2	63.0
03	9.8	15.0	59.0	35.05	4.80	6.26	6.26	0.1	3.3	17.6	63.7
04	12.1	15.0	59.0	35.05	4.20	8.28	8.28	0.2	6.6	16.8	62.2
05	16.4	15.0	59.0	35.05	4.20	8.27	8.27	0.2	6.6	17.5	63.0
06	19.7	14.5	58.1	36.01	4.30	6.26	6.26	0.3	9.8	16.8	62.2
07	23.0	14.5	58.1	36.01	4.20	8.27	8.27	0.3	9.8	17.5	63.5
08	26.2	14.0	57.2	36.47	4.40	8.22	8.22	0.4	13.1	16.5	61.7
09	29.5	14.0	57.2	36.90	4.10	8.24	8.24	0.4	13.1	17.5	63.5
10	32.8	14.0	57.2	36.47	4.25	8.24	8.24	0.5	16.4	16.5	61.7
11	36.1	14.0	57.2	36.47	4.40	8.24	8.24	0.5	16.4	17.5	63.5
12	39.4	14.0	57.2	36.01	4.20	8.24	8.24	0.6	19.7	16.5	61.7
13	42.6	14.0	57.2	36.01	4.20	8.22	8.22	0.6	19.7	17.5	63.5
14	45.9	14.0	57.2	36.01	4.20	8.22	8.22	0.7	23.0	16.5	61.7
15	49.2	13.5	56.3	36.47	4.20	8.22	8.22	0.7	23.0	17.3	63.1
16	52.5	13.5	56.3	36.47	4.20	8.22	8.22	0.8	26.2	16.5	61.7
17	55.8	13.5	56.3	36.47	4.20	8.22	8.22	0.8	26.2	17.2	63.0
18	59.0	13.5	56.3	36.47	4.20	8.20	8.20	0.9	29.5	16.5	61.7
DEC	*71	00	0.0	9.5	49.1	34.85	7.80	7.97	10	32.8	16.7
01	3.3	9.5	49.1	34.85	7.60	7.98	7.98	1.1	36.1	15.1	59.2
02	6.6	9.5	49.1	34.85	7.60	7.98	7.98	1.1	36.1	16.2	61.2
03	9.8	9.4	48.9	34.99	7.70	7.97	7.97	1.2	39.4	14.4	57.9
04	13.1	9.4	48.9	34.95	7.60	7.97	7.97	1.2	39.4	16.1	61.0
05	16.4	9.3	48.7	35.25	7.60	7.96	7.96	1.2	39.4	16.1	61.0
06	19.7	9.5	49.1	35.20	7.60	7.97	7.97	1.3	42.6	13.2	55.8
07	23.0	9.2	48.6	35.49	7.50	7.97	7.97	1.3	42.6	16.0	60.8
08	26.2	9.1	48.4	35.55	7.10	7.95	7.95	1.4	45.9	13.0	55.4
09	29.5	9.1	48.4	35.55	7.10	7.95	7.95	1.4	45.9	15.2	59.4
10	32.8	9.1	48.4	35.28	6.80	7.94	7.94	1.5	49.2	12.9	55.2
11	36.1	9.2	48.6	35.70	6.30	7.90	7.90	1.5	49.2	15.0	59.0
12	39.4	9.5	47.3	35.88	6.30	7.65	7.65	1.6	52.5	12.9	55.2
13	42.6	8.3	46.9	36.05	5.20	7.86	7.86	1.6	52.5	14.7	58.5
14	45.9	8.2	46.8	36.35	5.40	7.88	7.88	1.7	55.8	12.7	54.9
15	49.2	8.3	46.9	36.29	5.20	7.86	7.86	1.7	55.8	14.5	58.1
16	52.5	8.2	46.8	36.15	5.20	7.86	7.86	1.8	59.0	12.6	54.7
17	55.8	8.1	46.6	36.25	5.00	7.66	7.66	1.8	59.0	14.2	57.6
18	59.0	8.2	46.8	36.16	5.10	7.66	7.66	1.9	62.3	12.6	54.7

RECORDING DATE		DEPTH FEET		TEMPERATURE °F		SALINITY PPT		DIS CXG PPM		PH ION CONC	
STATION:	01	SEA BUOY (71-72)	LATITUDE	033:41:57 N	LONGITUDE	118:14:33 W	STATION:	01	SEA BUOY (71-72)	LATITUDE	033:41:57 N
											LONGITUDE
											118:14:33 W
NOV	*71	00	0.0	15.0	59.0	35.05	4.60	8.30	OCT	17.2	63.0
01	3.3	15.0	59.0	35.05	4.40	6.25	6.25	0.0	0.0	17.6	64.0
02	6.6	15.0	59.0	35.05	4.80	6.29	6.29	0.1	3.3	17.2	63.0
03	9.8	15.0	59.0	35.05	4.80	6.26	6.26	0.1	3.3	17.6	63.7
04	13.1	15.0	59.0	35.05	4.20	8.28	8.28	0.2	6.6	16.8	62.2
05	16.4	15.0	59.0	35.05	4.20	8.27	8.27	0.2	6.6	17.5	63.0
06	19.7	14.5	58.1	36.01	4.30	6.26	6.26	0.3	9.8	16.8	62.2
07	23.0	14.5	58.1	36.01	4.20	8.27	8.27	0.3	9.8	17.5	63.5
08	26.2	14.0	57.2	36.47	4.40	8.22	8.22	0.4	13.1	16.5	61.7
09	29.5	14.0	57.2	36.90	4.10	8.24	8.24	0.4	13.1	17.5	63.5
10	32.8	14.0	57.2	36.47	4.25	8.24	8.24	0.5	16.4	16.5	61.7
11	36.1	14.0	57.2	36.47	4.40	8.24	8.24	0.5	16.4	17.5	63.5
12	39.4	14.0	57.2	36.01	4.20	8.24	8.24	0.6	19.7	16.5	61.7
13	42.6	14.0	57.2	36.01	4.20	8.22	8.22	0.6	19.7	17.5	63.5
14	45.9	14.0	57.2	36.01	4.20	8.22	8.22	0.7	23.0	16.5	61.7
15	49.2	13.5	56.3	36.47	4.20	8.22	8.22	0.7	23.0	17.3	63.1
16	52.5	13.5	56.3	36.47	4.20	8.22	8.22	0.8	26.2	16.5	61.7
17	55.8	13.5	56.3	36.47	4.20	8.22	8.22	0.8	26.2	17.2	63.0
18	59.0	13.5	56.3	36.47	4.20	8.20	8.20	0.9	29.5	16.5	61.7
DEC	*71	00	0.0	9.5	49.1	34.85	7.80	7.97	10	32.8	16.7
01	3.3	9.5	49.1	34.85	7.60	7.98	7.98	1.1	36.1	16.5	61.7
02	6.6	9.5	49.1	34.85	7.60	7.98	7.98	1.1	36.1	17.5	63.5
03	9.8	9.4	48.9	34.99	7.70	7.97	7.97	1.2	39.4	14.4	57.9
04	13.1	9.4	48.9	34.95	7.60	7.97	7.97	1.2	39.4	16.1	61.0
05	16.4	9.3	48.7	35.25	7.60	7.96	7.96	1.2	39.4	16.1	61.0
06	19.7	9.5	49.1	35.20	7.60	7.97	7.97	1.3	42.6	13.2	55.8
07	23.0	9.2	48.6	35.49	7.50	7.97	7.97	1.3	42.6	16.0	60.8
08	26.2	9.1	48.4	35.55	7.10	7.95	7.95	1.4	45.9	13.0	55.4
09	29.5	9.1	48.4	35.55	7.10	7.95	7.95	1.4	45.9	15.2	59.4
10	32.8	9.1	48.4	35.28	6.80	7.94	7.94	1.5	49.2	12.9	55.2
11	36.1	9.2	48.6	35.70	6.30	7.90	7.90	1.5	49.2	15.0	59.0
12	39.4	9.5	47.3	35.88	6.30	7.65	7.65	1.6	52.5	12.9	55.2
13	42.6	8.3	46.9	36.05	5.20	7.86	7.86	1.6	52.5	14.7	58.5
14	45.9	8.2	46.8	36.35	5.40	7.88	7.88	1.7	55.8	12.7	54.9
15	49.2	8.3	46.9	36.29	5.20	7.86	7.86	1.7	55.8	14.5	58.1
16	52.5	8.2	46.8	36.15	5.20	7.86	7.86	1.8	59.0	12.6	54.7
17	55.8	8.1	46.6	36.25	5.00	7.66	7.66	1.8	59.0	14.2	57.6
18	59.0	8.2	46.8	36.16	5.10	7.66	7.66	1.9	62.3	12.6	54.7

RECORDING DATE		DEPTH FEET		TEMPERATURE °F		SALINITY PPT		DIS CXG PPM		PH ION CONC	
STATION:	01	SEA BUOY (71-72)	LATITUDE	033:41:57 N	LONGITUDE	118:14:33 W	STATION:	01	SEA BUOY (71-72)	LATITUDE	033:41:57 N
											LONGITUDE
											118:14:33 W
NOV	*71	00	0.0	15.0	59.0	35.05	4.60	8.30	OCT	17.2	63.0
01	3.3	15.0	59.0	35.05	4.40	6.25	6.25	0.0	0.0	17.6	64.0
02	6.6	15.0	59.0	35.05	4.80	6.29	6.29	0.1	3.3	17.2	63.0
03	9.8	15.0	59.0	35.05	4.80	6.26	6.26	0.1	3.3	17.6	63.7
04	13.1	15.0	59.0	35.05	4.20	8.28	8.28	0.2	6.6	16.8	62.2
05	16.4	15.0	59.0	35.05	4.20	8.27	8.27	0.2	6.6	17.5	63.0
06	19.7	14.5	58.1	36.01	4.30	6.26	6.26	0.3	9.8	16.8	62.2
07	23.0	14.5	58.1	36.01	4.20	8.27	8.27	0.3	9.8	17.5	63.5
08	26.2	14.0	57.2	36.47	4.40	8.22	8.22	0.4	13.1	16.5	61.7
09	29.5	14.0	57.2	36.90	4.10	8.24	8.24	0.4	13.1	17.5	63.5
10	32.8	9.1	48.4	35.28							

## ALLAN HANCOCK FOUNDATION

ALLAN HANCOCK FOUNDATION

## PHYSICAL-GAIA-REPORT

## PHYSICAL-GAIA-REPORT

STATION: 01 SEA BUOY 471-72  
 LATITUDE 033°41.57' N LONGITUDE 116°14.33' W

	RECORDING DATE	DEPTH MEETERS	TEMPERATURE C	SALINITY PPT	DIS OXY PPM	PH ION-SODS	RECORDING DATE	DEPTH METERS	TEMPERATURE F	SALINITY PPT	DIS OXY PPM	PH ION-SODS
JAN * 72	00	0.0	11.3	52.4	36.50	6.80	0.32	0.0	57.6	33.42	5.90	7.59
	01	3.3	11.3	52.3	36.50	6.80	0.32	0.1	57.6	33.51	6.90	7.59
	02	6.6	11.3	52.3	36.50	6.80	0.32	0.2	57.2	33.42	6.70	7.59
	03	9.8	11.3	52.3	36.90	6.80	0.3	9.8	57.2	33.66	5.70	7.55
	04	13.1	11.3	52.3	35.70	6.80	0.4	13.1	57.0	33.96	5.70	7.55
	05	16.4	11.5	52.7	35.90	6.80	0.5	16.4	57.2	34.14	6.70	7.55
	06	19.7	11.5	52.7	35.90	6.80	0.6	19.7	57.2	34.24	6.80	7.55
	07	23.0	11.5	52.7	35.90	6.80	0.7	23.0	57.2	34.33	6.80	7.56
	08	26.2	11.5	52.7	35.90	6.80	0.8	26.2	57.2	34.61	6.20	7.58
	09	29.5	11.5	52.7	35.90	6.80	0.9	29.5	57.2	34.61	6.40	7.58
	10	32.8	11.5	52.7	35.50	9.20	0.10	32.8	57.2	34.61	6.20	7.57
	11	36.1	11.5	52.7	35.50	9.20	0.11	36.1	57.2	34.75	6.30	7.58
	12	39.4	11.5	52.7	35.50	9.20	0.12	39.4	57.2	34.85	6.70	7.60
	13	42.6	11.5	52.7	35.90	9.20	0.13	42.6	57.2	35.07	7.10	7.60
	14	45.9	11.5	52.7	35.90	9.20	0.14	45.9	57.2	35.07	6.70	7.59
	15	49.2	11.5	52.7	35.50	9.00	0.15	49.2	57.2	35.26	6.70	7.58
	16	52.5	11.5	52.7	35.50	9.00	0.16	52.5	56.8	35.16	6.30	7.55
	17	55.8	11.5	52.7	35.50	9.00	0.17	55.8	52.7	35.51	4.60	7.46
	18	59.0	11.5	52.7	35.90	9.00	0.18	59.0	52.3	35.70	3.70	7.41
	19	62.3	11.5	52.7	35.90	9.00	0.19	62.3	53.6	35.96	3.70	7.35
	20	65.6	11.5	52.7	35.50	8.33						
FEB * 72	00	0.0	12.4	54.3	35.10	7.80	0.39	0.0	55.2	33.83	5.80	6.06
	01	3.3	12.5	54.5	35.00	7.80	0.38	0.1	55.2	34.52	5.80	6.04
	02	6.6	12.4	54.3	35.10	7.90	0.37	0.2	58.8	35.16	5.70	6.04
	03	9.8	12.3	54.1	35.10	8.00	0.36	0.3	54.8	35.18	5.80	6.05
	04	13.1	12.1	53.8	35.40	8.10	0.35	0.4	13.1	35.27	5.70	6.04
	05	16.4	12.1	53.8	35.50	7.90	0.35	0.5	16.4	35.64	5.60	6.04
	06	19.7	12.2	54.0	35.40	8.00	0.34	0.6	19.7	35.73	5.60	6.04
	07	23.0	12.2	54.0	35.50	8.00	0.34	0.7	23.0	36.00	5.70	6.03
	08	26.2	12.2	54.0	35.50	7.90	0.34	0.8	26.2	36.06	5.90	6.05
	09	29.5	12.2	54.0	35.60	7.90	0.34	0.9	29.5	36.14	10.00	6.06
	10	32.8	12.2	54.0	35.60	7.90	0.33	1.0	32.8	36.26	9.10	6.03
	11	36.1	12.2	54.0	35.70	7.80	0.33	1.1	36.1	36.35	8.70	6.02
	12	39.4	12.2	54.0	35.70	7.90	0.33	1.2	39.4	36.31	8.00	7.95
	13	42.6	12.1	53.8	35.70	7.90	0.32	1.3	42.6	35.88	7.50	7.85
	14	45.9	12.1	53.8	35.80	7.80	0.32	1.4	45.9	35.88	7.80	7.85
	15	49.2	12.2	54.0	35.80	7.90	0.32	1.5	49.2	35.88	6.80	7.90
	16	52.5	12.2	54.0	35.70	8.00	0.32	1.6	52.5	35.88	5.60	7.84
	17	55.8	12.2	54.0	35.70	7.90	0.32	1.7	55.8	35.88	5.60	7.84

	RECORDING DATE	DEPTH METERS	TEMPERATURE C	SALINITY PPT	DIS OXY PPM	PH ION-SODS	RECORDING DATE	DEPTH METERS	TEMPERATURE F	SALINITY PPT	DIS OXY PPM	PH ION-SODS
JAN * 72	00	0.0	11.3	52.4	36.50	6.80	0.32	0.0	57.6	33.42	5.90	7.59
	01	3.3	11.3	52.3	36.50	6.80	0.32	0.1	57.6	33.51	6.90	7.59
	02	6.6	11.3	52.3	36.50	6.80	0.32	0.2	57.2	33.42	6.70	7.59
	03	9.8	11.3	52.3	36.90	6.80	0.3	9.8	57.2	33.66	5.70	7.55
	04	13.1	11.3	52.3	35.70	6.80	0.4	13.1	57.0	33.96	5.70	7.55
	05	16.4	11.5	52.7	35.90	6.80	0.5	16.4	57.2	34.14	6.70	7.55
	06	19.7	11.5	52.7	35.90	6.80	0.6	19.7	57.2	34.24	6.80	7.55
	07	23.0	11.5	52.7	35.90	6.80	0.7	23.0	57.2	34.33	6.80	7.56
	08	26.2	11.5	52.7	35.90	6.80	0.8	26.2	57.2	34.61	6.20	7.58
	09	29.5	11.5	52.7	35.90	6.80	0.9	29.5	57.2	34.61	6.40	7.58
	10	32.8	11.5	52.7	35.50	9.20	0.10	32.8	57.2	34.61	6.20	7.57
	11	36.1	11.5	52.7	35.50	9.20	0.11	36.1	57.2	34.75	6.30	7.58
	12	39.4	11.5	52.7	35.50	9.20	0.12	39.4	57.2	34.85	6.70	7.60
	13	42.6	11.5	52.7	35.90	9.20	0.13	42.6	57.2	35.07	7.10	7.60
	14	45.9	11.5	52.7	35.90	9.20	0.14	45.9	57.2	35.07	6.70	7.59
	15	49.2	11.5	52.7	35.50	9.00	0.15	49.2	57.2	35.26	6.70	7.58
	16	52.5	11.5	52.7	35.50	9.00	0.16	52.5	56.8	35.16	6.30	7.55
	17	55.8	11.5	52.7	35.50	9.00	0.17	55.8	52.7	35.51	4.60	7.46
	18	59.0	11.5	52.7	35.90	8.80	0.18	59.0	52.3	35.70	3.70	7.41
	19	62.3	11.5	52.7	35.90	8.80	0.19	62.3	53.6	35.96	3.70	7.35
	20	65.6	11.5	52.7	35.50	8.33						
FEB * 72	00	0.0	12.4	54.3	35.10	7.80	0.39	0.0	55.2	33.83	5.80	6.06
	01	3.3	12.5	54.5	35.00	7.80	0.38	0.1	55.2	34.52	5.80	6.04
	02	6.6	12.4	54.3	35.10	7.90	0.37	0.2	58.8	35.16	5.70	6.04
	03	9.8	12.3	54.1	35.10	8.00	0.36	0.3	54.8	35.18	5.80	6.05
	04	13.1	12.1	53.8	35.40	8.10	0.35	0.4	13.1	35.27	5.70	6.04
	05	16.4	12.1	53.8	35.50	7.90	0.35	0.5	16.4	35.64	5.60	6.04
	06	19.7	12.2	54.0	35.40	8.00	0.34	0.6	19.7	35.73	5.60	6.04
	07	23.0	12.2	54.0	35.50	8.00	0.34	0.7	23.0	36.00	5.70	6.03
	08	26.2	12.2	54.0	35.50	7.90	0.34	0.8	26.2	36.06	5.90	6.05
	09	29.5	12.2	54.0	35.60	7.90	0.33	0.9	29.5	36.14	10.00	6.06
	10	32.8	12.2	54.0	35.60	7.90	0.33	1.0	32.8	36.26	9.10	6.03
	11	36.1	12.2	54.0	35.70	7.80	0.33	1.1	36.1	36.35	8.70	6.02
	12	39.4	12.2	54.0	35.70	7.90	0.33	1.2	39.4	36.31	8.00	7.95
	13	42.6	12.1	53.8	35.70	7.90	0.32	1.3	42.6	35.88	7.50	7.85
	14	45.9	12.1	53.8	35.80	7.80	0.32	1.4	45.9	35.88	7.80	7.85
	15	49.2	12.2	54.0	35.80	7.90	0.32	1.5	49.2	35.88	6.80	7.85
	16	52.5	12.2	54.0	35.70	8.00	0.32	1.6	52.5	35.88	6.80	7.84
	17	55.8	12.2	54.0	35.70	7.90	0.32	1.7	55.8	35.88	5.60	7.84
	18	59.0	12.2	54.0	35.70	7.90	0.32	1.8	59.0	35.88	5.60	7.84
	19	62.3	12.2	54.0	35.70	7.90	0.32	1.9	62.3	35.88	5.60	7.84
	20	65.6	12.2	54.0	35.70	7.90	0.32	2.0	65.6	35.88	5.60	7.84

	RECORDING DATE	DEPTH METERS	TEMPERATURE C	SALINITY PPT	DIS OXY PPM	PH ION-SODS	RECORDING DATE	DEPTH METERS	TEMPERATURE F	SALINITY PPT	DIS OXY PPM	PH ION-SODS
JAN * 72	00	0.0	11.3	52.4	36.50	6.80	0.32	0.0	57.6	33.42	5.90	7.59
	01	3.3	11.3	52.3	36.50	6.80	0.32	0.1	57.6	33.51	6.90	7.59
	02	6.6	11.3	52.3	36.50	6.80	0.32	0.2	57.2	33.42	6.70	7.59
	03	9.8	11.3	52.3	36.90	6.80	0.3	9.8	57.2	33.66	5.70	7.55
	04											

## PHYSICAL DATA REPORT

RECORDING DATE	- DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS DKG PPM	PH SIGN CONC	RECORDING DATE	- DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS DKG PPM	PH SIGN CONC
MAY '72	00	0.0	13.5	36.10	10.00	8.22	JULY '72	00	0.0	14.1	57.4
01	3.3	13.5	36.10	9.90	B.24	8.22	01	3.3	14.0	57.2	35.54
02	6.6	13.3	35.53	5.90	E.26	6.26	02	6.6	12.3	54.1	36.67
03	9.8	13.1	35.72	5.80	E.28	6.28	03	9.8	12.0	53.6	36.96
04	13.1	13.1	35.53	6.00	E.26	6.28	04	13.1	12.0	52.6	26.96
05	16.4	12.9	35.89	8.20	B.20	8.16	05	16.4	11.9	53.4	7.30
06	19.7	12.0	35.6	35.95	B.20	8.13	06	19.7	11.7	53.1	7.00
07	23.0	11.3	52.3	36.47	7.20	8.10	07	23.0	11.6	52.9	6.80
08	26.2	11.1	52.0	36.57	6.60	8.06	08	26.2	11.5	52.7	6.60
09	29.5	11.0	51.8	36.22	6.00	8.03	09	29.5	11.5	52.7	6.30
10	32.8	10.8	51.4	36.46	5.60	8.01	10	32.8	11.5	52.7	6.20
11	36.1	10.6	51.1	36.66	5.60	b.01					
12	39.4	10.6	51.1	36.66	5.70	8.10	AUG '72	00	0.0	17.8	64.0
13	42.6	10.3	50.5	36.92	5.30	7.98	01	3.3	17.5	63.5	35.37
14	45.9	10.0	50.0	4.90	7.98	6.90	02	6.6	17.2	63.0	35.63
15	49.2	10.0	50.0	4.90	7.96	6.90	03	9.8	17.2	63.0	35.63
16	52.5	10.0	50.0	4.90	7.96	6.90	04	13.1	17.1	62.8	35.72
17	55.8	10.0	50.0	4.90	7.96	6.90	05	16.4	17.0	62.6	35.56
18	59.0	10.0	50.0	4.90	7.96	6.90	06	19.7	16.9	62.4	35.72
JUNE '72	00	0.0	18.8	45.4	34.69	9.40	04	23.0	16.3	61.3	35.92
01	3.3	18.8	65.8	34.94	9.40	8.40	05	26.2	16.0	60.2	36.05
02	6.6	18.8	65.8	35.11	9.30	8.38	06	19.7	16.9	60.2	36.05
03	9.8	18.8	65.8	35.15	9.20	8.38	07	23.0	16.3	61.3	35.92
04	13.1	18.8	65.9	35.19	9.20	8.38	08	26.2	16.0	60.2	36.05
05	16.4	18.8	65.8	35.26	9.20	8.38	09	19.7	16.9	60.2	36.05
06	19.7	18.0	64.4	35.54	8.70	8.32	10	29.5	15.8	60.4	36.18
07	23.0	17.0	62.6	35.55	7.50	8.26	11	32.8	15.5	59.9	36.45
08	26.2	16.0	60.8	36.17	8.20	8.28	12	36.1	15.0	56.0	36.64
09	29.5	16.0	60.8	36.26	8.00	8.24	13	39.4	14.8	56.6	36.83
10	32.8	15.2	55.4	36.73	7.40	8.21	14	42.6	14.5	58.1	36.82
11	36.1	14.9	58.8	36.53	7.40	8.20	15	45.9	14.1	57.4	14.1
12	39.4	14.2	57.6	36.53	7.00	8.19	16	49.2	14.0	57.2	6.30
13	42.6	14.0	57.2	36.54	6.80	8.17	17	52.8	12.8	55.0	6.12
14	45.9	13.7	56.7				18	55.8	12.8	55.0	5.40
15	49.2	13.0	55.4				19	59.0	12.7	54.9	8.12
16	52.5	12.2	54.0								8.30
17	55.8	12.2	54.0								8.17
18	59.0	12.0	53.6								8.12
19	62.3	12.0	53.6								8.12

RECORDING DATE	- DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS DKG PPM	PH SIGN CONC	RECORDING DATE	- DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS DKG PPM	PH SIGN CONC
JULY '72	00	0.0	14.1	57.4	36.66	7.30	01	3.3	14.0	57.2	35.54
01	3.3	14.0	57.2	36.67	7.20	02	6.6	12.3	54.1	36.67	7.40
02	6.6	12.3	54.1	36.67	7.20	03	9.8	12.0	53.6	36.96	8.12
03	9.8	12.0	53.6	36.96	8.12	04	13.1	12.0	52.6	26.96	8.12
04	13.1	12.0	52.6	26.96	8.12	05	16.4	11.9	53.4	7.30	8.12
05	16.4	11.9	53.4	7.30	8.12	06	19.7	11.7	53.1	6.80	8.12
06	19.7	11.7	53.1	6.80	8.12	07	23.0	11.6	52.9	6.50	8.11
07	23.0	11.6	52.9	6.50	8.11	08	26.2	11.5	52.7	6.60	8.12
08	26.2	11.5	52.7	6.60	8.12	09	29.5	11.5	52.7	6.30	8.12
09	29.5	11.5	52.7	6.30	8.12	10	32.8	11.5	52.7	6.20	8.12
10	32.8	11.5	52.7	6.20	8.12	11	36.1	11.5	52.7	6.12	8.12
11	36.1	11.5	52.7	6.12	8.12	12	39.4	11.5	52.7	6.12	8.12
12	39.4	11.5	52.7	6.12	8.12	13	42.6	11.5	52.7	6.12	8.12
13	42.6	11.5	52.7	6.12	8.12	14	45.9	11.5	52.7	6.12	8.12
14	45.9	11.5	52.7	6.12	8.12	15	49.2	11.5	52.7	6.12	8.12
15	49.2	11.5	52.7	6.12	8.12	16	52.8	12.8	55.0	5.40	8.12
16	52.8	12.8	55.0	5.40	8.12	17	55.8	12.8	55.0	5.40	8.12
17	55.8	12.8	55.0	5.40	8.12	18	59.0	12.7	54.9	5.30	8.12
18	59.0	12.7	54.9	5.30	8.12	19	62.3	12.7	54.9	5.30	8.12
19	62.3	12.7	54.9	5.30	8.12						

## PHYSICAL DATA REPORT

STATION: 01 SEA BUOY (71-72)  
 LATITUDE: 033°41'57" N LONGITUDE: 116°14'33" W  
 STATION: 01 SEA BUOY (71-72)  
 LATITUDE: 033°41'57" N LONGITUDE: 116°14'33" W

PHYSICAL DATA REPORT

RECORDING DATE		DEPTH - METERS		TEMPERATURE C.		SALINITY		DIS. OXY. ELEM.	
		METERS	FEET	C.	E	PPT	ELEM.	PPM	PPM
SEPT	• 72	00	0•0	19•6	67•3	34•28	16•50		
		01	3•3	19•4	66•9	34•65	16•50		
		02	6•6	19•4	66•9	34•77	16•60		
		03	9•6	19•3	66•7	34•94	16•40		
		04	13•1	19•2	66•6	35•02	16•00		
		05	16•4	19•0	66•2	35•15	16•00		
		06	19•7	18•9	66•0	35•15	9•80		
		07	23•0	18•7	65•7	35•37	5•80		
		08	26•2	18•5	65•3	35•53	9•80		
		09	29•5	18•0	64•4	35•62	16•00		
		10	32•8	17•7	63•9	35•80	9•90		
		11	36•1	17•7	63•9	35•80	16•00		
		12	39•4	17•6	63•7	35•85	9•60		
		13	42•6	15•7	60•3	36•36	16•00		
		14	45•9	15•4	59•7	36•63	16•00		
		15	49•2	15•4	59•7	36•63			
OCT	• 72	00	0•0	17•0	62•6	35•11	8•40		
		01	3•3	16•9	62•4	35•20			
		02	6•6	16•8	62•2	35•29			
		03	9•8	16•8	62•2	35•25			
		04	13•1	16•6	61•9	35•46			
		05	16•4	16•6	61•9	35•46			
		06	19•7	16•5	61•7	35•55			
		07	23•0	16•0	60•8	35•82			
		08	26•2	15•9	60•6	35•56			
		09	29•5	15•6	60•4	35•64			
		10	32•8	15•3	60•4	35•64			
		11	36•1	15•2	60•4	35•64			
		12	39•4	15•8	60•4	36•00			
		13	42•6	15•5	59•9	35•73			
		14	45•9	15•2	59•4	35•91			
		15	49•2	15•0	55•0	36•00			
		16	52•5	14•9	58•8	35•51			
		17	55•8	14•2	57•6	35•62			
		18	59•0	13•5	56•3	36•10			
		19	62•3	13•0	55•4	36•40			
		20	65•6	13•0	55•4	36•40			

PHYSICAL DATA REPORT

STATION: 01		SEA HUOY (71-72)		LONGITUDE: 118°14'33"	
LATITUDE	DEPTH	TEMPERATURE	SALINITY	DIS Ctg	PH
RECORDING DATE	- DEPTH - MEETERS FEET	C F	E PPTI	PPM	HION-SONG
NOV 4 72	00	0°0	15°2	59.4	34.47
	00	0°0	15°6	60.1	34.57
01	3°3	15°5	59.9	34.74	3°30
01	3°3	15°5	59.9	34.67	3°00
02	6°6	15°2	59.4	34.74	2°30
02	6°6	15°5	59.9	34.83	2°50
03	9°8	15°5	59.9	34.92	9°00
03	9°8	15°2	59.4	34.74	8°23
04	13°1	15°2	59.4	34.74	8°22
04	13°1	15°5	59.9	34.92	8°22
05	16°4	15°5	59.9	24.83	8°00
05	16°4	15°2	59.4	34.92	8°00
06	19°7	15°5	59.9	34.92	9°00
06	19°7	15°2	59.4	34.92	8°23
07	23°0	15°2	59.4	34.92	9°00
07	23°0	15°5	59.9	34.92	8°23
08	26°2	15°5	59.9	34.92	8°00
08	26°2	15°2	59.4	34.92	8°23
09	29°5	15°2	59.4	34.92	9°00
09	29°5	15°5	59.9	35.01	9°00
10	32°8	15°5	59.9	35.01	9°00
10	32°8	15°2	59.4	34.92	8°23
11	36°1	15°2	59.4	34.92	8°21
11	36°1	15°5	59.9	35.01	8°21
12	39°4	15°5	59.9	35.01	8°21
12	39°4	15°2	59.4	34.92	8°21
13	42°6	15°2	59.4	34.92	8°21
13	42°6	15°5	59.9	35.01	8°21
14	45°9	15°5	59.9	35.10	8°21
14	45°9	15°2	59.4	34.92	8°23
15	49°2	14°9	58.8	34.46	8°24
15	49°2	15°5	59.9	35.10	8°24
16	52°5	15°5	59.9	35.15	8°24
16	52°5	14°2	57.6	34.90	8°24
17	55°8	14°2	57.6	34.90	8°20
17	55°8	15°5	59.9	35.28	8°20
18	59°0	14°2	57.6	34.90	8°19
18	59°0	15°4	59.7	35.37	8°19
19	62°3	15°3	59.5	35.46	8°22
19	62°3	14°2	57.6	34.90	8°22
20	65°6	15°3	59.5	35.46	8°22
21	68°9	15°3	59.5	35.46	8°22
22	72°2	15°3	59.5	35.46	8°22
21	75°4	15°3	59.5	35.46	8°22

## PHYSICAL--DATA--BEGRI

RECORDING DATE	DEPTH METERS	TEMPERATURE C	SALINITY	DIS OXG PPM	PH EPM	H ION CONC
DEC 72	00	0.0	58.1	34.81	11.30	8.46
	01	3.3	58.1	34.81	11.20	8.43
	02	6.6	58.3	34.72	11.00	8.42
	03	9.8	58.3	34.72	11.00	8.42
	04	13.1	58.4	34.62	11.00	8.42
	05	16.4	58.6	34.91	11.00	8.42
	06	19.7	58.6	34.82	10.80	8.42
	07	23.0	58.1	34.59	11.20	8.42
	08	26.2	57.6	35.08	10.80	8.41
	09	29.5	56.1	35.05	11.00	8.41
	10	32.8	58.1	34.99	11.00	8.41
	11	36.1	58.1	34.99	11.00	8.42
	12	39.4	57.9	35.18	10.50	8.41
	13	42.6	56.1	35.09	10.50	8.41
	14	45.9	58.1	35.04	10.60	8.44
	15	49.2	58.1	35.05	10.80	8.40
	16	52.5	57.9	35.05	10.70	8.35
	17	55.8	57.6	35.17	10.50	8.36
	18	59.0	57.4	35.17	10.50	8.36
	19	62.3	57.4	35.17	10.50	8.38
	20	65.6	57.4	35.17	10.80	8.39
	21	68.9	57.4	35.17	10.60	8.36

## PHYSICAL--DATA--BEGRI

RECORDING DATE	DEPTH FEET	TEMPERATURE C	SALINITY	CIS CXG PPM	P <small>H</small> ION CONC
JAN 73	00	0.0	56.0	32.79	7.10
	01	3.3	53.1	32.96	7.10
	02	6.6	13.1	23.07	6.80
	03	9.8	12.1	33.07	7.20
	04	13.1	13.1	33.26	6.90
	05	16.4	13.1	33.73	7.00
	06	19.7	13.1	33.92	7.20
	07	23.0	13.1	35.6	7.10
	08	26.2	13.1	34.01	7.10
	09	29.5	13.1	35.6	6.50
	10	32.8	13.1	34.11	7.10
	11	36.1	13.3	34.11	7.10
	12	39.4	13.3	33.93	7.10
	13	42.6	13.1	34.26	7.00
	14	45.9	14.4	34.6	6.60
	15	49.2	15	34.20	6.90
	16	52.5	16	34.20	7.20
	17	55.8	17	34.30	7.20
	18	59.0	18	34.40	7.20
	19	62.3	19	34.77	7.10

## PHYSICAL--DATA--BEGRI

RECORDING DATE	DEPTH FEET	TEMPERATURE C	SALINITY	CIS CXG PPM	P <small>H</small> ION CONC
JAN 73	00	0.0	56.0	32.79	7.10
	01	3.3	53.1	32.96	7.10
	02	6.6	13.1	23.07	6.80
	03	9.8	12.1	33.07	7.20
	04	13.1	13.1	33.26	6.90
	05	16.4	13.1	33.73	7.00
	06	19.7	13.1	33.92	7.20
	07	23.0	13.1	35.6	7.10
	08	26.2	13.1	34.01	7.10
	09	29.5	13.1	35.6	6.50
	10	32.8	13.1	34.11	7.10
	11	36.1	13.3	33.93	7.10
	12	39.4	13.3	34.26	7.00
	13	42.6	13.1	34.6	6.60
	14	45.9	14.4	34.20	6.90
	15	49.2	15	34.20	7.20
	16	52.5	16	34.30	7.20
	17	55.8	17	34.40	7.20
	18	59.0	18	34.77	7.10

## PHYSICAL DATA REPORT

STATION:	A1	SEA BUOY	LATITUDE	LONGITUDE	TIME: 14:33 W	RECORDING DATE	- DEPTH - METERS FEET	TEMPERATURE C F	SALINITY PPT	DIS CXG EPM	PH CONC	REC'DNG RATE	- DEPTH - METERS FEET	TEMPERATURE C F	SALINITY PPT	CIS CXG EPM	PH CONC
FEB	• 73	0.0	13.1	55.6	32.8C	8.15	8.10	8.15	8.20	8.15	8.15	0.0	0.0	11.0	51.8	7.75	
01	3.3	13.1	55.6	32.9C	8.10	8.15	8.15	8.20	8.15	8.15	0.1	3.3	10.6	51.1	8.30		
02	6.6	13.1	55.6	33.0C	8.10	8.15	8.15	8.20	8.15	8.15	0.2	6.6	10.3	50.5	7.77		
03	9.8	13.1	55.6	33.2C	8.10	8.15	8.15	8.20	8.15	8.15	0.3	9.8	10.0	50.0	7.77		
04	13.1	13.1	55.6	33.4C	8.10	8.15	8.15	8.20	8.15	8.15	0.4	13.1	10.0	50.0	7.71		
05	16.4	13.1	55.6	33.4C	8.20	8.15	8.15	8.20	8.15	8.15	0.5	16.4	9.2	48.6	7.66		
06	19.7	13.1	55.6	33.5C	8.00	8.15	8.15	8.20	8.15	8.15	0.6	19.7	8.0	47.5	7.58		
07	23.0	13.1	55.6	33.6C	8.20	8.15	8.15	8.20	8.15	8.15	0.7	23.0	8.5	47.3	7.57		
08	26.2	13.1	55.6	33.7C	8.10	8.15	8.15	8.20	8.15	8.15	0.8	26.2	8.5	47.3	7.56		
09	29.5	13.1	55.6	33.7C	8.00	8.15	8.15	8.20	8.15	8.15	0.9	29.5	8.5	47.3	7.56		
10	32.8	13.1	55.6	33.7C	8.15	8.15	8.15	8.20	8.15	8.15	1.0	32.8	8.3	46.9	7.57		
11	36.1	13.1	55.6	33.8C	8.10	8.15	8.15	8.20	8.15	8.15	1.1	36.1	8.4	47.1	7.58		
12	39.4	13.1	55.6	33.9C	8.40	8.15	8.15	8.20	8.15	8.15	1.2	39.4	8.2	46.8	7.59		
13	42.6	13.1	55.6	34.0C	8.40	8.15	8.15	8.20	8.15	8.15	1.3	42.6	8.2	46.8	7.59		
14	45.9	13.1	55.6	34.0C	8.30	8.15	8.15	8.20	8.15	8.15	1.4	45.9	8.2	46.8	7.60		
15	49.2	13.1	55.6	34.0C	8.30	8.15	8.15	8.20	8.15	8.15	1.5	49.2	8.2	46.8	7.60		
16	52.5	13.1	55.6	34.0C	8.10	8.15	8.15	8.20	8.15	8.15	1.6	52.5	8.2	46.8	7.61		
17	55.8	13.1	55.6	34.0C	8.30	8.15	8.15	8.20	8.15	8.15	1.7	55.8	8.2	46.8	7.62		
18	59.0	13.1	55.6	34.0C	8.20	8.15	8.15	8.20	8.15	8.15	1.8	59.0	8.2	46.8	7.62		
MAR	• 73	0.0	15.7	55.3	31.5C	10.50	8.37	8.30	8.20	8.30	8.37	0.0	0.0	13.6	56.5	6.60	
01	3.3	15.4	55.7	31.9C	10.20	8.30	8.30	8.20	8.30	8.30	0.1	3.3	12.8	55.0	6.57		
02	6.6	15.2	55.4	32.2C	10.20	8.28	8.28	8.20	8.28	8.28	0.2	6.6	12.1	53.8	6.51		
03	9.8	15.1	55.2	32.3C	10.00	8.27	8.27	8.20	8.27	8.27	0.3	9.8	11.7	53.1	6.46		
04	13.1	15.1	55.2	32.3C	10.10	8.27	8.27	8.20	8.27	8.27	0.4	13.1	11.5	52.7	6.43		
05	16.4	15.1	55.2	32.3C	10.10	8.25	8.25	8.20	8.25	8.25	0.5	16.4	11.5	52.7	6.41		
06	19.7	15.2	55.4	32.2C	10.00	8.24	8.24	8.20	8.24	8.24	0.6	19.7	11.3	52.3	6.39		
07	23.0	15.1	55.2	32.3C	9.80	8.23	8.23	8.20	8.23	8.23	0.7	23.0	11.0	51.8	6.38		
08	26.2	15.0	55.0	32.4C	9.40	8.21	8.21	8.20	8.21	8.21	0.8	26.2	11.0	51.8	6.37		
09	29.5	14.4	57.9	32.7C	8.80	8.18	8.18	8.20	8.18	8.18	0.9	29.5	10.9	51.6	6.36		
10	32.8	14.0	57.2	32.4C	8.50	8.16	8.16	8.20	8.16	8.16	1.0	32.8	10.9	51.6	6.36		
11	36.1	14.0	57.2	32.4C	8.30	8.16	8.16	8.20	8.16	8.16	1.1	36.1	10.9	51.6	6.35		
12	39.4	14.0	57.2	32.5C	8.30	8.15	8.15	8.20	8.15	8.15	1.2	39.4	10.9	51.6	6.36		
13	42.6	13.9	57.0	32.6C	8.00	8.14	8.14	8.20	8.14	8.14	1.3	42.6	10.7	51.3	6.36		
14	45.9	13.8	56.8	32.6C	7.80	8.12	8.12	8.20	8.12	8.12	1.4	45.9	10.7	51.3	6.37		
15	49.2	13.7	56.7	32.6C	7.80	8.12	8.12	8.20	8.12	8.12	1.5	49.2	11.9	53.4	6.36		
16	52.5	13.6	56.5	32.6C	7.70	8.12	8.12	8.20	8.12	8.12	1.6	52.5	12.0	53.6	6.35		

## PHYSICAL DATA REPORT

## PHYSICAL DATA REPORT

STATION:	A1	SEA BUGY	LATITUDE	LONGITUDE	TIME: 03:34:15:7 N	RECORDING DATE	- DEPTH - METERS FEET	TEMPERATURE C F	SALINITY PPT	DIS CXG EPM	PH CONC	REC'DNG RATE	- DEPTH - METERS FEET	TEMPERATURE C F	SALINITY PPT	CIS CXG EPM	PH CONC
FEB	• 73	0.0	13.1	55.6	32.8C	APR	• 73	0.0	0.0	0.0	0.0	0.0	0.0	11.0	51.8	7.75	
01	3.3	13.1	55.6	32.9C	8.15	APR	• 73	0.1	3.3	10.6	51.1	0.1	3.3	10.3	50.5	7.77	
02	6.6	13.1	55.6	33.0C	8.10	APR	• 73	0.2	6.6	10.3	50.5	0.2	6.6	10.3	50.5	7.77	
03	9.8	13.1	55.6	33.2C	8.10	APR	• 73	0.3	9.8	10.0	50.0	0.3	9.8	10.0	50.0	7.77	
04	13.1	13.1	55.6	33.4C	8.10	APR	• 73	0.4	13.1	10.0	50.0	0.4	13.1	10.0	50.0	7.71	
05	16.4	13.1	55.6	33.4C	8.20	APR	• 73	0.5	16.4	9.2	48.6	0.5	16.4	9.2	48.6	7.66	
06	19.7	13.1	55.6	33.5C	8.00	APR	• 73	0.6	19.7	8.0	45.0	0.6	19.7	8.0	45.0	7.58	
07	23.0	13.1	55.6	33.6C	8.20	APR	• 73	0.7	23.0	8.5	44.0	0.7	23.0	8.5	44.0	7.57	
08	26.2	13.1	55.6	33.7C	8.10	APR	• 73	0.8	26.2	8.5	42.0	0.8	26.2	8.5	42.0	7.56	
09	29.5	14.4	57.9	32.7C	8.80	APR	• 73	0.9	29.5	10.9	51.6	0.9	29.5	10.9	51.6	7.56	
10	32.8	14.0	57.2	32.4C	8.50	APR	• 73	1.0	32.8	10.9	51.6	1.0	32.8	10.9	51.6	7.56	
11	36.1	14.0	57.2	32.4C	8.30	APR	• 73	1.1	36.1	10.9	51.6	1.1	36.1	10.9	51.6	7.56	
12	39.4	14.0	57.2	32.5C	8.30	APR	• 73	1.2	39.4	10.9	51.6	1.2	39.4	10.9	51.6	7.56	
13	42.6	13.9	57.0	32.6C	8.00	APR	• 73	1.3	42.6	10.7	51.3	1.3	42.6	10.7	51.3	7.56	
14	45.9	13.8	56.8	32.6C	7.80	APR	• 73	1.4	45.9	10.7	51.3	1.4	45.9	10.7	51.3	7.56	
15	49.2	13.7	56.7	32.6C	7.80	APR	• 73	1.5	49.2	11.9	53.4	1.5	49.2	11.9	53.4	7.56	
16	52.5	13.6	56.5	32.6C	7.70	APR	• 73	1.6	52.5	12.0	53.6	1.6	52.5	12.0	53.6	7.56	

## PHYSICAL DATA REPORT

## PHYSICAL DATA REPORT

## PHYSICAL--DATA--REPORT

## PHYSICAL--DATA--REPORT

STATION: A1 SEA BUGY  
LATITUDE 033°41'.57 N LONGITUDE 118°14':33 W

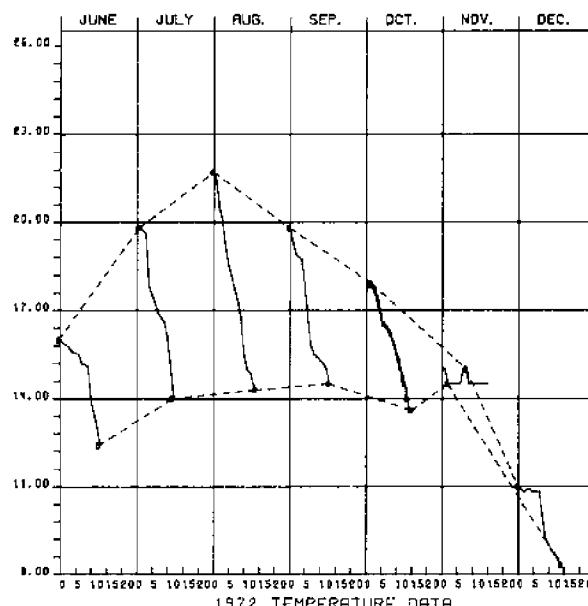
RECORDING DATE	DEPTH - METERS	TEMPERATURE C	SALINITY	DIS CXC PPI	PEN	PH SIGNS	RECORDING DATE	DEPTH - METERS	TEMPERATURE C	SALINITY	CIS CXC PPI	PEN	PH SIGNS
JUNE * 73	0.0	13.4	56.1	34.00	6.80	7.92	AUG * 73	0.0	17.5	63.5	33.60	7.90	7.31
01	3.3	13.1	55.6	34.00	7.20	7.96	01	3.3	17.1	62.8	33.60	7.70	7.33
02	6.6	12.9	55.2	33.90	7.40	7.98	02	6.6	16.6	61.9	33.50	6.10	7.36
03	9.8	12.8	55.0	33.90	7.30	7.95	03	9.8	16.0	60.8	33.60	8.20	7.37
04	13.1	12.6	55.0	33.90	7.40	7.95	04	13.1	15.8	60.8	33.60	8.00	7.36
05	16.4	12.7	54.9	33.80	7.70	7.95	05	16.4	15.3	59.5	33.70	8.00	7.36
06	19.7	12.6	54.7	33.80	7.40	7.94	06	19.7	14.7	58.5	33.60	8.20	7.36
07	23.0	12.4	54.3	33.80	7.10	7.92	07	23.0	14.2	57.6	33.50	8.20	7.34
08	26.2	12.2	54.0	33.80	7.20	7.88	08	26.2	14.0	57.2	33.60	7.90	7.33
09	29.5	12.0	53.6	33.70	7.00	7.86	09	29.5	13.8	56.8	33.60	7.90	7.32
10	32.8	12.0	53.6	33.70	6.90	7.86	10	32.8	13.5	56.3	33.40	7.80	7.26
11	36.1	11.8	53.2	33.70	6.50	7.90	11	36.1	13.2	55.8	33.50	7.60	7.26
12	39.4	11.7	53.1	33.60	6.50	7.90	12	39.4	13.1	55.6	33.40	7.20	7.24
13	42.6	11.6	53.2	33.70	6.40	7.90	13	42.6	13.0	55.4	33.40	7.10	7.27
14	45.9	11.6	53.2	33.70	6.50	7.90	14	45.9	12.6	55.0	33.40	7.10	7.26
15	49.2	11.7	53.1	33.70	6.50	7.90	15	45.2	12.7	54.9	33.40	6.90	7.25
16	52.5	11.6	52.9	33.70	6.40	7.90	16	52.5	12.7	54.9	33.40	6.80	7.24
JULY * 73	0.0	18.4	65.1	33.40	7.50	7.92	01	3.3	15.6	60.7	33.40	6.90	7.24
01	3.3	17.8	64.0	33.40	7.30	7.91	01	3.3	15.6	60.4	33.30	6.40	7.24
02	6.6	17.6	64.0	33.40	7.20	7.93	02	6.6	15.8	60.4	33.30	6.20	7.24
03	9.8	17.5	63.5	33.50	7.00	7.93	03	9.8	15.9	60.6	33.30	6.40	7.12
04	13.1	17.2	63.0	33.50	7.10	7.94	04	13.1	15.8	60.4	33.30	6.30	7.12
05	16.4	17.2	63.0	33.50	7.00	7.94	05	16.4	15.8	60.4	33.30	6.20	7.11
06	19.7	16.7	62.1	33.40	7.00	7.94	06	19.7	15.8	60.6	33.30	6.10	7.11
07	23.0	16.7	62.1	33.40	6.90	7.95	07	23.0	15.2	59.4	33.30	6.10	7.09
08	26.2	16.6	61.9	33.40	6.90	7.96	08	26.2	16.4	59.8	33.30	6.00	7.11
09	29.5	16.6	61.9	33.40	6.90	7.95	09	29.5	16.7	60.3	33.30	6.20	7.11
10	32.8	16.0	60.8	33.50	6.40	7.94	10	32.8	15.7	60.3	33.30	6.20	7.11
11	36.1	14.2	57.6	33.70	5.80	7.83	11	36.1	15.6	60.1	33.30	6.20	7.11
12	39.4	14.0	57.2	33.50	5.60	7.81	12	39.4	15.4	56.7	33.30	6.10	7.11
13	42.6	13.4	56.1	33.60	5.20	7.77	13	29.5	15.2	59.4	33.30	6.10	7.09
14	45.9	13.0	55.4	33.60	5.10	7.76	14	32.8	14.8	58.6	33.30	6.00	7.07
15	49.2	12.4	54.3	33.50	4.80	7.73	15	36.1	14.7	58.5	33.30	6.00	7.06
16	52.5	12.4	54.3	33.50	4.80	7.73	16	52.5	14.0	57.2	33.30	6.00	7.06
17	55.8	12.4	54.3	33.40	4.90	7.73	17	55.8	13.6	56.5	33.50	6.00	7.06

ALLAN HANCOCK FOUNDATION  
PHYSICAL DATA REPORT

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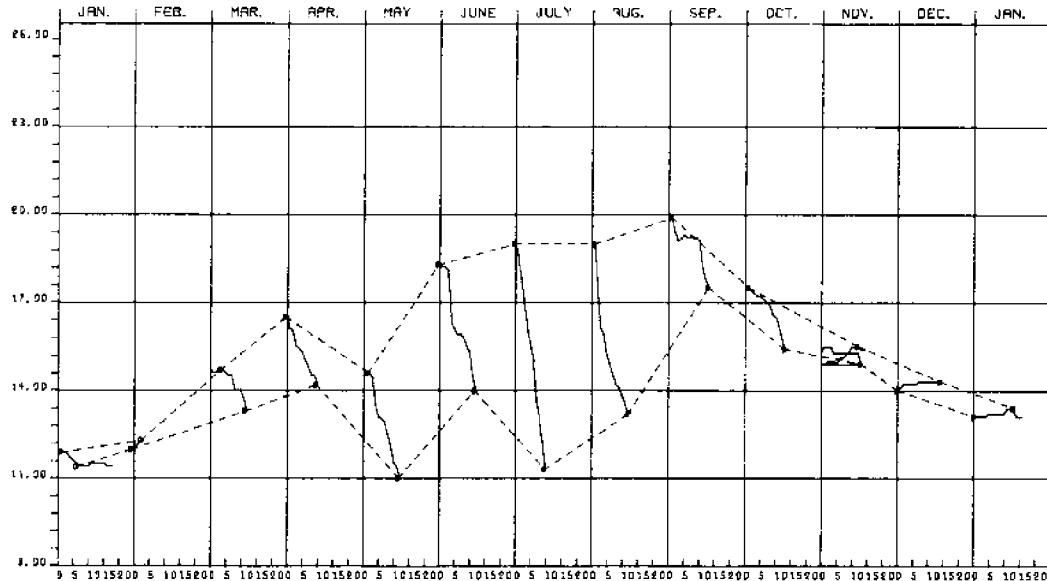
	STATION:	AL SEA HOY	LATITUDE	033°41'57" N	LONGITUDE	118°14'33" *	SALINITY	DIS CXG	PH
RECORDING	- DEPTH -	TEMPERATURE					PPT	PPM	CL-ION CONC
DATE	METERS FEET	S	E	S	E	S			
OCT 1973	0.0	0.0	17.0	62.6	33.20	8.70	6.06	6.06	
	0.1	3.3	17.0	62.6	33.30	8.40	6.02	6.02	
	0.2	6.6	17.0	62.6	33.30	8.30	6.05	6.05	
	0.3	9.8	17.0	62.6	33.40	8.60	6.10	6.10	
	0.4	13.1	17.0	62.6	33.40	8.60	6.12	6.12	
	0.5	16.4	16.9	62.4	33.40	8.60	6.12	6.12	
	0.6	19.7	16.9	62.4	33.40	8.50	6.12	6.12	
	0.7	23.0	16.8	62.2	33.40	8.50	6.12	6.12	
	0.8	26.2	16.8	62.2	33.40	8.80	6.12	6.12	
	0.9	29.5	16.8	62.2	33.40	8.90	6.12	6.12	
	1.0	32.8	16.7	62.1	33.40	8.80	6.12	6.12	
	1.1	36.1	16.6	61.9	33.40	8.80	6.12	6.12	
	1.2	39.4	16.6	61.9	33.40	8.00	6.12	6.12	
	1.3	42.6	16.5	61.7	33.40	5.00	6.12	6.12	
	1.4	45.9	16.2	61.2	33.40	8.90	6.10	6.10	
	1.5	49.2	15.8	60.4	33.40	8.80	6.08	6.08	
	1.6	52.5	14.8	58.6	33.40	8.10	6.02	6.02	
	1.7	55.8	13.6	56.5	33.60	7.80	7.98	7.98	
	1.8	59.0	13.6	56.5	33.40	7.70	7.98	7.98	
	1.9	62.3	13.5	56.3	33.40	7.70	7.96	7.96	
	2.0	65.6	13.5	56.3	33.40	7.60	7.96	7.96	
NOV 1973	0.0	0.0	16.2	61.2	33.20	8.40	6.15	6.15	
	0.1	3.3	16.1	61.0	33.30	8.50	6.17	6.17	
	0.2	6.6	16.1	61.0	33.30	8.70	6.18	6.18	
	0.3	9.8	16.0	60.8	33.30	8.40	6.18	6.18	
	0.4	13.1	16.0	60.9	33.30	8.60	6.18	6.18	
	0.5	16.4	16.0	60.8	33.30	8.40	6.19	6.19	
	0.6	19.7	16.0	60.8	33.30	8.60	6.20	6.20	
	0.7	23.0	16.0	60.8	33.30	9.00	6.20	6.20	
	0.8	26.2	16.0	60.8	33.35	8.80	6.20	6.20	
	0.9	29.5	16.0	60.8	33.35	8.80	6.20	6.20	
	1.0	32.8	16.0	60.8	33.30	8.80	6.20	6.20	
	1.1	36.1	16.0	60.8	33.30	8.60	6.20	6.20	
	1.2	39.4	16.0	60.8	33.35	8.40	6.20	6.20	
	1.3	42.6	16.3	60.8	33.35	8.60	6.20	6.20	
	1.4	45.9	16.0	60.9	33.35	8.30	6.20	6.20	
	1.5	49.2	16.0	60.8	33.40	8.50	6.20	6.20	
	1.6	52.5	16.0	60.8	33.35	8.30	6.20	6.20	
	1.7	55.8	16.0	60.8	33.40	8.30	6.21	6.21	
	1.8	59.0	16.0	60.8	33.40	8.40	6.21	6.21	

1971 TEMPERATURE DATA  
 STATION: 02 R4 BUOY (71-72)  
 DATA: DEPTH METERS / TEMP CELSIUS

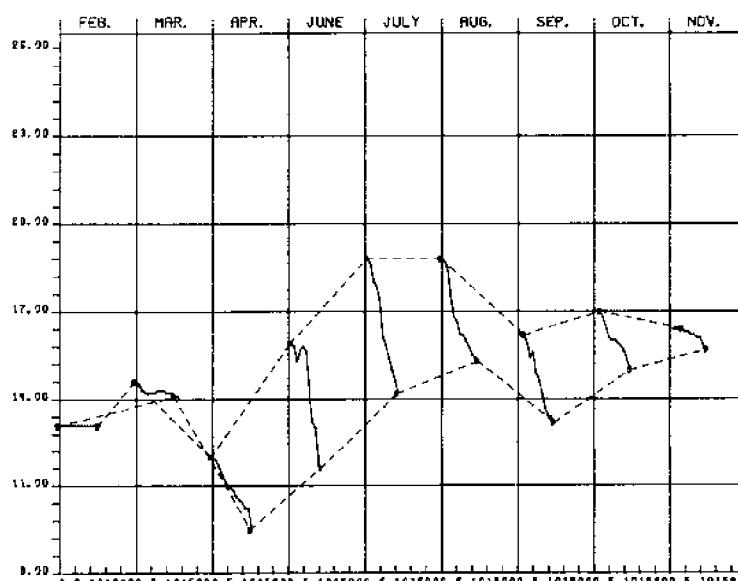


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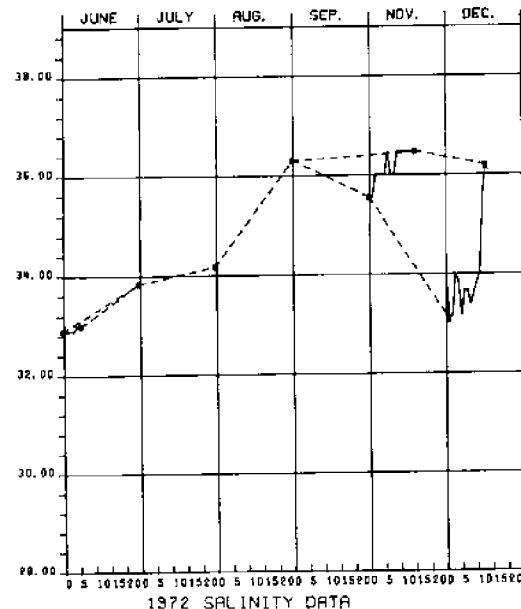
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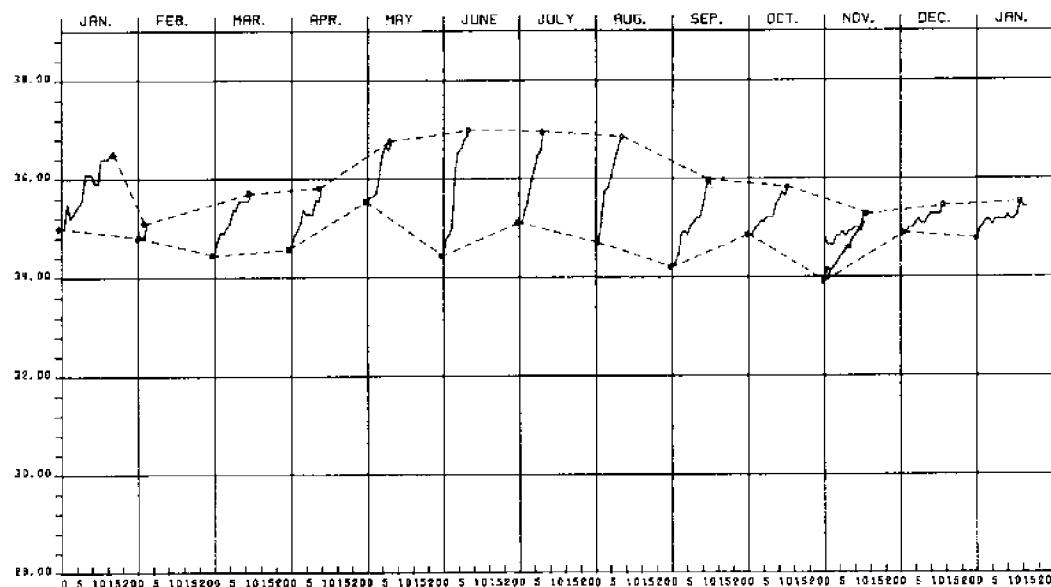
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 STATION: 02 R4 BUOY  
 DATA: DEPTH METERS / TEMP CELSIUS



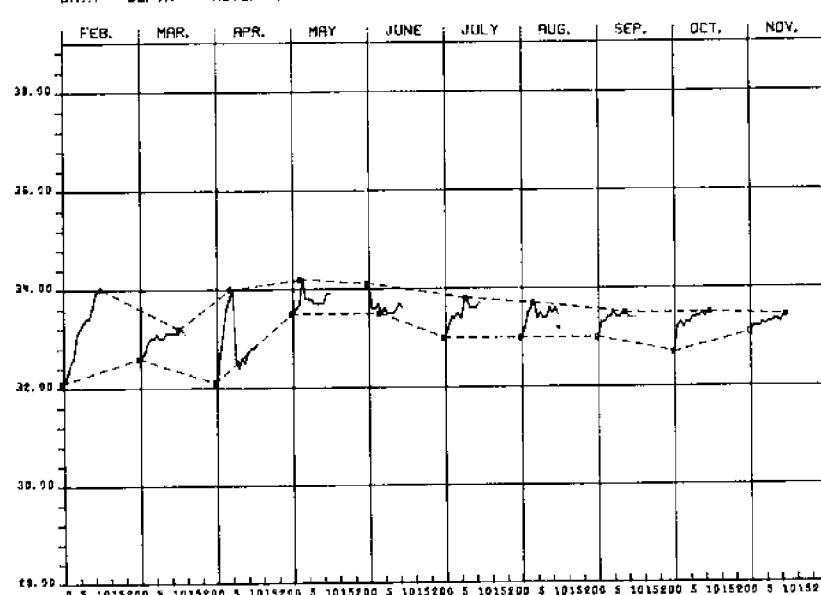
1971 SALINITY DATA  
 STATION: 02 R4 BUOY (71-72)  
 DATA: DEPTH METERS / SAL PPT



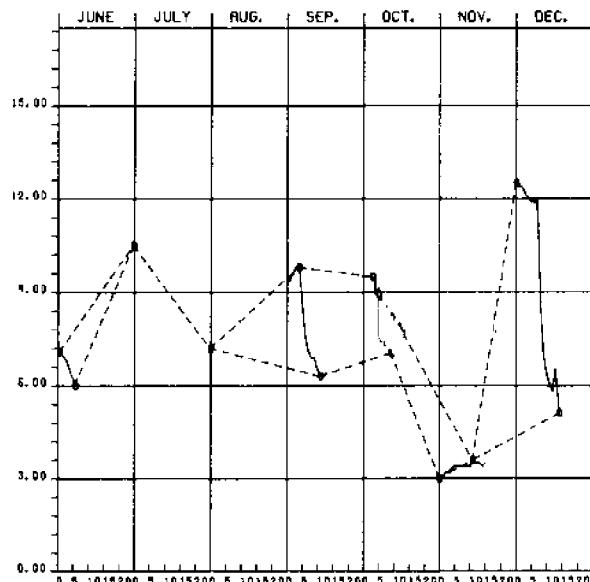
STATION: 02 R4 BUOY (71-72)  
 DATA: DEPTH METERS / SAL PPT



STATION: 02 R4 BUOY  
 DATA: DEPTH METERS / SAL PPT

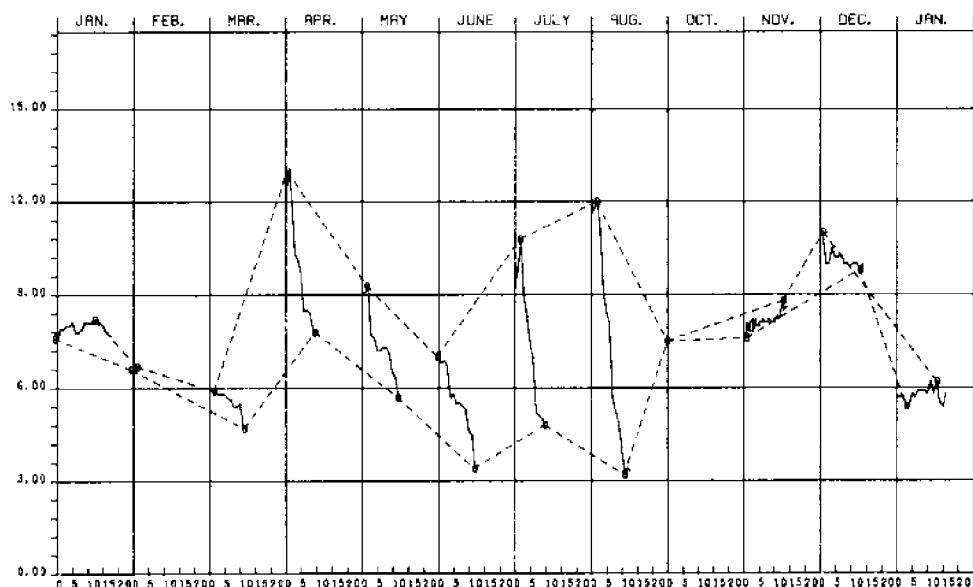


1971 DISSOLVED OXYGEN  
STATION: 02 RN BUOY (71-72)  
DATA: DEPTH METERS / DIS OXG PPM

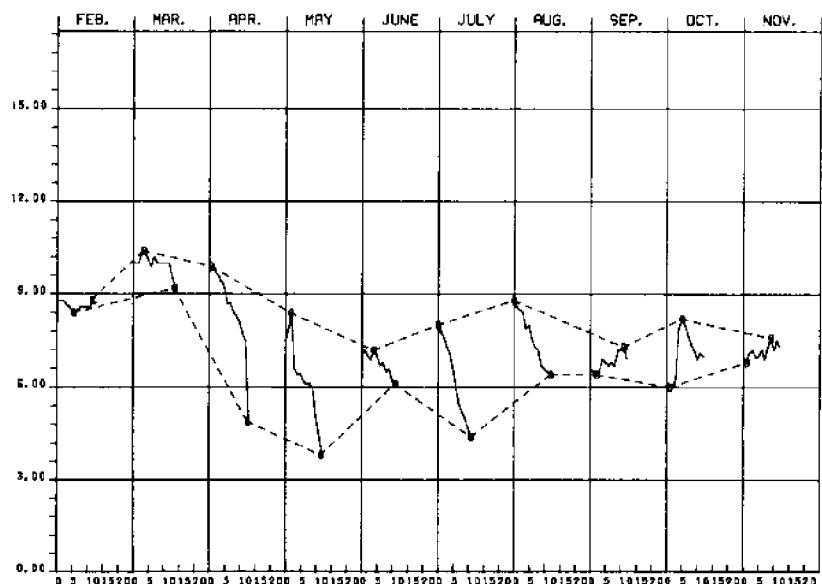


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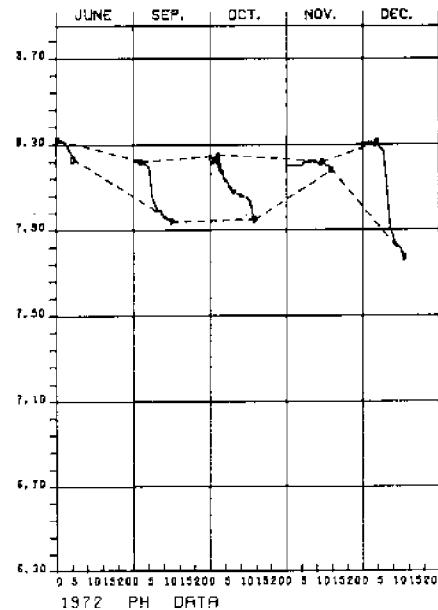
1972 DISSOLVED OXYGEN  
STATION: 02 RN BUOY (71-72)  
DATA: DEPTH METERS / DIS OXG PPM



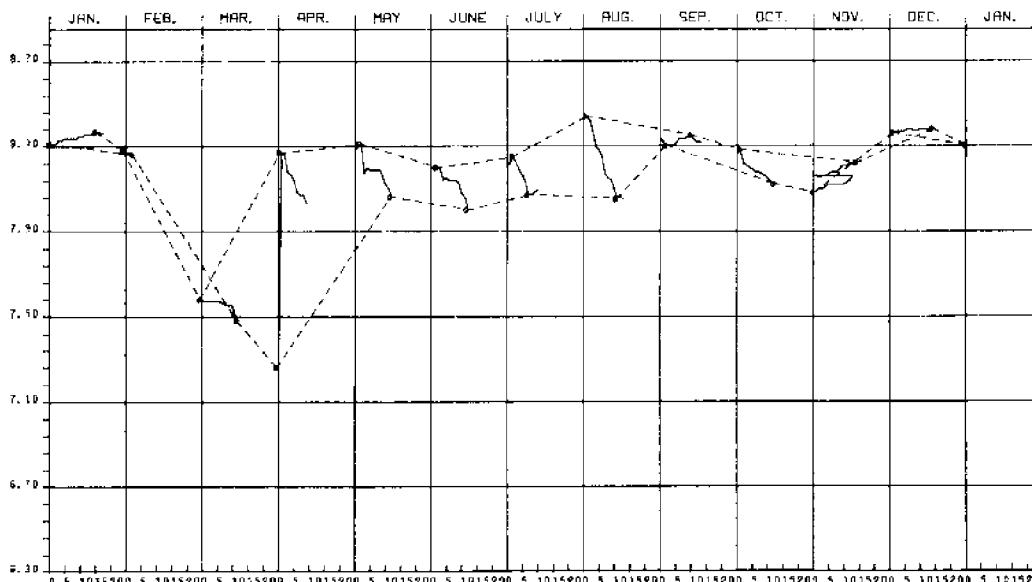
1973 DISSOLVED OXYGEN  
STATION: A2 RN BUOY  
DATA: DEPTH METERS / DIS OXG PPM



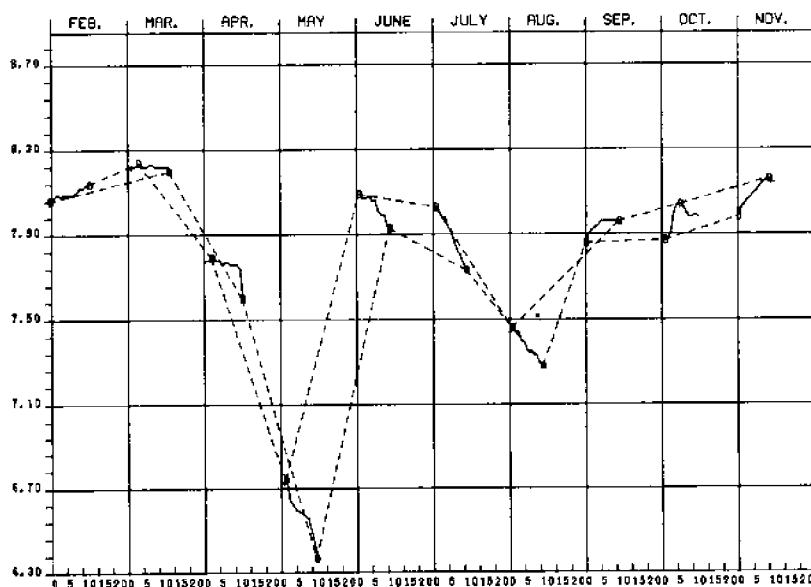
1971 PH DATA  
 STATION: 02 R4 BUOY (71-72)  
 DATA: DEPTH METERS / PH H ION CONC



STATION: 02 R4 BUOY (71-72)  
 DATA: DEPTH METERS / PH H ION CONC



1973 PH DATA  
 STATION: A2 R4 BUOY  
 DATA: DEPTH METERS / PH H ION CONC



PHYSICAL DATA REPORT

STATION: 02 RA BUCY (71-72)		LATITUDE 033°43'55" N		LONGITUDE 118°15'14" E	
RECORDING DATE	METERS FEET	DEPTH -	TEMPERATURE C	SALINITY PPT	CIS OXY EPM
JUNE * 71	0.0	0.0	16.0	60.8	32.90
	0.1	3.3	15.9	60.6	32.90
	0.3	9.8	15.7	60.3	32.90
	0.4	13.1	15.6	60.1	33.00
	0.6	19.7	15.5	59.9	33.00
	0.7	23.0	15.2	59.4	33.00
	0.9	29.5	15.1	55.2	
	1.0	32.8	14.0	57.2	
	1.2	39.4	13.0	55.4	
	1.3	42.6	12.4	54.3	
JULY * 71	0.0	0.0	19.8	67.6	33.84
	0.1	3.3	19.8	67.6	33.84
	0.3	9.8	19.6	67.3	33.84
	0.4	13.1	17.6	64.0	33.84
	0.6	19.7	17.2	63.0	33.84
	0.7	23.0	16.9	62.4	33.84
	0.9	29.5	16.6	61.9	33.84
	1.0	32.8	16.1	61.0	33.84
	1.2	39.4	14.0	57.2	33.84
AUG * 71	0.0	0.0	21.7	71.1	34.18
	0.1	3.3	21.4	70.5	34.18
	0.2	6.6	20.4	68.7	34.18
	0.3	9.8	20.0	68.0	34.18
	0.4	13.1	19.1	66.4	34.18
	0.5	16.4	18.5	65.3	34.18
	0.6	19.7	18.1	64.6	34.18
	0.7	23.0	17.7	63.9	34.18
	0.8	26.2	17.3	63.1	34.18
	0.9	29.5	16.7	62.1	34.18
	1.0	32.8	15.5	59.9	34.18
	1.1	36.1	15.0	59.0	34.18
	1.2	39.4	14.9	58.8	34.18
	1.3	42.6	14.5	58.1	34.18
	1.4	45.9	14.3	57.7	34.18

PHYSICAL THERAPY REPORT

STATION:	02 FA BUCY (71-72)	LATITUDE	033°43'55" N	LONGITUDE	11E:15:14 W
- DEPTH -	MEIERS FEET	TEMPERATURE	SALINITY	DIS DUG	pH
	C.	F.	PPT	FTN	H.I.G.N.S.C.H.
00	0.0	19.8	67.6	36.3C	5.30
01	4.3	19.3	66.7		5.40
02	6.6	18.9	66.0		5.60
03	9.8	18.8	65.8		5.80
04	13.1	18.7	65.7		5.80
05	16.4	17.2	64.0		6.00
06	19.7	16.6	61.9		7.60
07	23.0	15.8	60.4		7.10
08	26.2	15.6	59.9		6.90
09	29.5	15.4	59.7		6.90
10	32.8	15.3	59.5		6.50
11	36.1	15.2	59.4		6.30
12	39.4	15.0	59.0		6.30
13	42.6	14.5	58.1		6.40

## ALLAN HANCOCK FOUNDATION

## PHYSICAL-GAIA-REPORT

RECORDING DATE	DEPTH - METERS	TEMPERATURE C.	SALINITY	DIS GKG PPM	PH ION CONC
OCT '71	00	63.3	5.10	8.15	8.0
	00	63.4	5.10	8.15	8.0
01	0.0	63.5	5.10	8.14	8.0
01	3.3	63.3	5.10	8.14	8.0
01	5.3	64.2	5.10	8.24	8.0
01	7.9	64.2	5.10	8.24	8.0
02	6.6	64.4	5.10	8.14	8.0
02	6.6	64.2	5.10	8.14	8.0
02	6.6	64.2	5.10	8.14	8.0
02	6.6	64.2	5.10	8.14	8.0
03	9.8	63.1	5.10	8.13	8.0
03	9.6	64.0	5.10	8.25	8.0
04	13.1	62.8	5.10	8.12	8.0
04	13.1	62.5	5.10	8.18	8.0
05	16.4	62.1	5.10	8.09	8.0
05	16.4	62.4	5.10	8.14	8.0
06	19.7	61.0	5.10	7.41	8.0
06	19.7	61.6	5.10	8.08	8.0
07	23.0	61.0	5.10	7.25	8.0
07	23.0	60.8	5.10	7.70	8.0
07	23.0	61.7	5.10	8.06	8.0
08	26.2	61.0	5.25	8.09	8.0
08	26.2	61.4	5.25	8.05	8.0
09	29.5	60.4	5.05	6.07	8.0
09	29.5	61.0	5.05	6.04	8.0
10	32.8	59.2	5.07	7.10	8.0
10	32.8	59.2	5.07	7.10	8.0
10	32.8	60.4	5.01	8.30	8.0
11	36.1	59.0	5.01	7.48	8.0
11	36.1	59.7	5.01	6.20	8.0
12	39.4	57.9	5.00	7.97	8.0
12	39.4	56.8	5.07	7.41	8.0
13	42.6	57.0	5.10	7.97	8.0
13	42.6	56.3	5.10	6.06	8.0
14	45.9	56.7	5.10	7.96	8.0
15	49.2	56.5	5.00	7.95	8.0

## PHYSICAL-GAIA-REPORT

RECORDING DATE	DEPTH - METERS	TEMPERATURE C.	SALINITY	DIS GKG PPM	PH ION CONC
NOV '71	00	5.10	5.10	8.15	8.0
	00	5.10	5.10	8.15	8.0
	01	5.10	5.10	8.14	8.0
01	5.3	5.10	5.10	8.50	8.0
01	7.9	5.10	5.10	8.24	8.0
01	7.9	5.10	5.10	8.24	8.0
02	6.6	5.10	5.10	8.14	8.0
02	6.6	5.10	5.10	8.14	8.0
02	6.6	5.10	5.10	8.14	8.0
03	9.8	5.10	5.10	8.13	8.0
03	9.6	5.10	5.10	8.25	8.0
04	13.1	5.10	5.10	8.12	8.0
04	13.1	5.10	5.10	8.18	8.0
05	16.4	5.10	5.10	8.09	8.0
05	16.4	5.10	5.10	8.14	8.0
06	19.7	5.10	5.10	7.41	8.0
06	19.7	5.10	5.10	8.08	8.0
07	23.0	5.10	5.10	7.25	8.0
07	23.0	5.10	5.10	7.70	8.0
08	26.2	5.10	5.25	8.09	8.0
08	26.2	5.10	5.25	8.05	8.0
09	29.5	5.10	5.05	6.07	8.0
09	29.5	5.10	5.05	6.04	8.0
10	32.8	5.00	5.07	7.10	8.0
10	32.8	5.00	5.07	7.10	8.0
10	32.8	5.00	5.01	8.30	8.0
11	36.1	5.00	5.01	7.48	8.0
11	36.1	5.00	5.01	6.20	8.0
12	39.4	5.00	5.00	7.97	8.0
12	39.4	5.00	5.07	7.41	8.0
13	42.6	5.00	5.10	7.97	8.0
13	42.6	5.00	5.10	6.06	8.0
14	45.9	5.00	5.10	7.96	8.0
15	49.2	5.00	5.00	7.95	8.0

## ALLAN HANCOCK FOUNDATION

## PHYSICAL-GAIA-REPORT

RECORDING DATE	DEPTH - METERS	TEMPERATURE C.	SALINITY	DIS GKG PPM	PH ION CONC
NOV '71	00	5.10	5.10	8.15	8.0
	00	5.10	5.10	8.15	8.0
	01	5.10	5.10	8.14	8.0
01	5.3	5.10	5.10	8.50	8.0
01	7.9	5.10	5.10	8.24	8.0
01	7.9	5.10	5.10	8.24	8.0
02	6.6	5.10	5.10	8.14	8.0
02	6.6	5.10	5.10	8.14	8.0
02	6.6	5.10	5.10	8.14	8.0
03	9.8	5.10	5.10	8.13	8.0
03	9.6	5.10	5.10	8.25	8.0
04	13.1	5.10	5.10	8.12	8.0
04	13.1	5.10	5.10	8.18	8.0
05	16.4	5.10	5.10	8.09	8.0
05	16.4	5.10	5.10	8.14	8.0
06	19.7	5.10	5.10	7.41	8.0
06	19.7	5.10	5.10	8.08	8.0
07	23.0	5.10	5.10	7.25	8.0
07	23.0	5.10	5.10	7.70	8.0
08	26.2	5.10	5.25	8.09	8.0
08	26.2	5.10	5.25	8.05	8.0
09	29.5	5.10	5.05	6.07	8.0
09	29.5	5.10	5.05	6.04	8.0
10	32.8	5.00	5.07	7.10	8.0
10	32.8	5.00	5.07	7.10	8.0
10	32.8	5.00	5.01	8.30	8.0
11	36.1	5.00	5.01	7.48	8.0
11	36.1	5.00	5.01	6.20	8.0
12	39.4	5.00	5.00	7.97	8.0
12	39.4	5.00	5.07	7.41	8.0
13	42.6	5.00	5.10	7.97	8.0
13	42.6	5.00	5.10	6.06	8.0
14	45.9	5.00	5.10	7.96	8.0
15	49.2	5.00	5.00	7.95	8.0

## PHYSICAL-GAIA-REPORT

RECORDING DATE	DEPTH - METERS	TEMPERATURE C.	SALINITY	DIS GKG PPM	PH ION CONC
NOV '71	00	5.10	5.10	8.15	8.0
	00	5.10	5.10	8.15	8.0
	01	5.10	5.10	8.14	8.0
01	5.3	5.10	5.10	8.50	8.0
01	7.9	5.10	5.10	8.24	8.0
01	7.9	5.10	5.10	8.24	8.0
02	6.6	5.10	5.10	8.14	8.0
02	6.6	5.10	5.10	8.14	8.0
02	6.6	5.10	5.10	8.14	8.0
03	9.8	5.10	5.10	8.13	8.0
03	9.6	5.10	5.10	8.25	8.0
04	13.1	5.10	5.10	8.12	8.0
04	13.1	5.10	5.10	8.18	8.0
05	16.4	5.10	5.10	8.09	8.0
05	16.4	5.10	5.10	8.14	8.0
06	19.7	5.10	5.10	7.41	8.0
06	19.7	5.10	5.10	8.08	8.0
07	23.0	5.10	5.10	7.25	8.0
07	23.0	5.10	5.10	7.70	8.0
08	26.2	5.10	5.25	8.09	8.0
08	26.2	5.10	5.25	8.05	8.0
09	29.5	5.10	5.05	6.07	8.0
09	29.5	5.10	5.05	6.04	8.0
10	32.8	5.00	5.07	7.10	8.0
10	32.8	5.00	5.07	7.10	8.0
10	32.8	5.00	5.01	8.30	8.0
11	36.1	5.00	5.01	7.48	8.0
11	36.1	5.00	5.01	6.20	8.0
12	39.4	5.00	5.00	7.97	8.0
12	39.4	5.00	5.07	7.41	8.0
13	42.6	5.00	5.10	7.97	8.0
13	42.6	5.00	5.10	6.06	8.0
14	45.9	5.00	5.10	7.96	8.0
15	49.2	5.00	5.00	7.95	8.0

## PHYSICAL DATA REPORT

STATION: 02 R4 BUCY (71-72)      LATITUDE 033°43'55" N      LONGITUDE 118°15'14" W

RECORDING DATE	DEPTH - METERS	TEMPERATURE °C	SALINITY PPT	DIS CXG PPM	PH ION CONC	RECORDING DATE		DEPTH - FEET	TEMPERATURE °C	SALINITY PPT	DIS CXG PPM	PH ION CONC	
						MAY	JUN						
JAN *72	00	0.0	11.9	53.4	35.00	7.60	8.31	APR *72	00	0.0	16.5	61.7	
01	3.3	11.9	53.4	35.00	7.96	8.31	6.1	3.3	16.1	61.0	34.56	1.20	
02	6.6	11.9	53.4	35.50	7.90	8.31	0.2	6.6	16.6	60.8	34.93	1.20	
03	9.8	11.8	53.2	35.20	8.00	8.33	0.3	9.8	15.5	59.9	35.10	1.30	
04	13.1	11.7	53.1	35.30	8.00	8.33	0.4	13.1	15.4	59.7	35.37	1.30	
05	16.4	11.6	52.9	35.40	8.10	8.34	0.5	16.4	15.3	59.5	35.26	1.14	
06	19.7	11.5	52.7	35.50	7.80	8.34	0.6	19.7	15.0	59.0	35.26	0.09	
07	23.0	11.4	52.5	35.60	7.80	8.34	0.7	23.0	14.8	56.6	35.27	0.50	
08	26.2	11.4	52.5	36.10	7.90	8.34	0.8	26.2	14.5	56.1	35.54	0.40	
09	29.5	11.4	52.5	36.10	6.10	8.34	0.9	29.5	14.5	56.1	35.54	0.04	
10	32.8	11.4	52.5	36.10	6.10	8.35	1.0	32.8	14.2	57.6	35.82	0.02	
11	36.1	11.5	52.5	35.90	8.10	8.35							
12	39.4	11.5	52.7	35.90	8.20	8.36	MAY *72	00	0.0	14.5	58.1	35.54	
13	42.6	11.5	52.7	36.40	8.20	8.36	0.1	3.3	14.5	58.1	35.64	0.30	
14	45.9	11.5	52.7	36.40	8.10	8.36	0.2	6.6	14.6	58.2	35.64	0.30	
15	49.2	11.5	52.7	36.40	8.00	8.37	0.3	9.8	14.4	57.9	35.73	0.17	
16	52.5	11.4	52.5	36.50	7.80	8.37	0.4	13.1	13.5	56.3	36.10	0.20	
17	55.8	11.4	52.5	36.50	7.70	8.36	0.5	16.4	13.1	55.6	36.46	0.19	
18	59.0	11.4	52.5	36.50	7.70	8.36	0.6	19.7	13.0	55.4	36.67	0.19	
FEB *72	00	0.0	12.0	53.6	35.00	6.60	8.28	0.7	23.0	12.9	55.2	36.57	0.19
01	3.3	12.1	53.6	34.80	6.70	8.27	0.8	26.2	12.3	54.5	36.77	0.30	
02	6.6	12.2	54.0	34.80	6.70	8.27	0.9	29.5	12.1	53.8	7.10	0.16	
03	9.8	12.3	54.1	35.10	6.60	8.26	1.0	32.8	11.5	52.7	8.50	0.12	
							1.1	36.1	11.4	52.5	8.30	0.10	
							1.2	39.4	11.0	51.6	8.70	0.06	
MAR *72	00	0.0	14.7	56.5	34.4	5.50	7.58	JUNE *72	00	0.0	18.3	64.9	34.44
01	3.2	14.6	56.3	34.72	5.50	7.57	0.1	3.2	18.2	64.8	34.77	0.20	
02	6.6	14.6	56.3	34.90	5.50	7.57	0.2	6.6	18.2	64.8	34.86	0.20	
03	9.8	14.7	56.5	34.93	5.80	7.57	0.3	9.8	18.1	64.6	35.05	0.19	
04	13.1	14.7	56.5	34.95	5.80	7.57	0.4	13.1	16.3	61.3	36.17	0.14	
05	16.4	14.6	56.3	35.08	5.80	7.57	0.5	16.4	16.1	61.0	36.53	0.09	
06	19.7	14.5	56.1	35.36	5.70	7.57	0.6	19.7	15.9	60.6	36.62	0.14	
07	23.0	14.5	56.1	35.36	5.60	7.56	0.7	23.0	15.9	60.6	36.62	0.14	
08	26.2	14.0	57.2	35.54	5.40	7.55	0.8	26.2	15.8	60.6	36.80	0.14	
09	29.5	14.0	57.2	35.54	5.40	7.55	0.9	29.5	15.5	59.5	36.89	0.14	
10	32.8	14.0	57.2	35.54	5.50	7.55	1.0	32.8	15.3	59.5	36.94	0.13	
11	36.1	13.7	56.7	35.54	4.80	7.50	1.1	36.1	14.5	56.1	4.50	0.08	
12	39.4	13.3	56.9	35.71	4.70	7.48	1.2	39.4	14.0	57.2	3.40	0.06	

## ALLAN HANCOCK FOUNDATION

## PHYSICAL DATA REPORT

STATION: 02 RA BUCY (71-72)		LATITUDE 033:43:55 N		LONGITUDE 116:15:14 W		RECORDING DATE		DEPTH - FEET		TEMPERATURE C		SALINITY PPT		DIS OGK PER		PH ION CONC	
JULY 172	00	0.0	19.0	66.2	35.11	5.20	6.0	DCT	*72	0.0	0.0	17.5	63.5	34.86	7.50	8.27	
01	3.3	18.5	65.3	35.11	5.80	6.22	0.1			3.3	17.5	63.5	34.86	8.28			
02	6.6	17.8	64.0	35.27	10.60	6.25	0.2			6.6	17.4	63.3	34.94	8.22			
03	9.8	17.0	62.6	35.55	5.00	8.22	0.3			9.8	17.3	63.1	35.03	8.21			
04	13.1	16.0	60.8	36.00	8.30	8.19	0.4			13.1	17.2	62.0	35.11	8.20			
05	16.4	15.6	60.4	36.18	7.40	8.16	0.5			16.4	17.2	63.0	35.11	8.19			
06	19.7	15.0	59.0	36.46	7.00	8.12	0.6			19.7	17.1	62.6	35.20	8.18			
07	23.0	13.6	56.5	36.57	5.20	8.07	0.7			23.0	17.0	62.6	35.20	8.16			
08	26.2	13.0	55.4	36.96	5.10	8.07	0.8			26.2	16.9	62.4	35.20	8.17			
09	29.5	12.2	54.0	36.00	5.00	8.09	0.9			29.5	16.6	61.9	35.46	8.16			
10	32.8	11.3	52.3	4.60	8.09	8.09	1.0			32.8	16.5	61.7	35.95	8.15			
AUG *72	00	0.0	19.0	66.2	34.94	11.60	6.4			11	36.1	61.2	35.73	8.13			
01	3.3	19.0	66.2	34.65	11.20	6.44	1.2			39.4	15.8	60.4	35.64	8.12			
02	6.6	17.5	63.5	35.11	12.00	8.42	1.3			42.6	15.4	55.7	35.82	8.12			
03	9.8	16.1	61.0	35.73	11.10	8.37											
04	13.1	15.9	60.6	35.82	9.10	8.30											
05	16.4	15.2	59.4	36.00	8.40	8.28											
06	19.7	14.9	58.8	36.28	8.10	8.25											
07	23.0	14.5	58.1	36.56	5.70	8.17											
08	26.2	14.2	57.6	36.75	5.20	8.15											
09	29.5	14.1	57.4	36.84	4.90	8.14											
10	32.8	13.8	56.8	36.83	4.10	8.10											
11	36.1	13.5	56.3	36.05	3.20	8.05											
12	39.4	13.2	55.8	36.40	8.06												
13	42.6	13.3	55.9	3.30	8.05												
SEPT *72	00	0.0	19.8	67.6	34.20												
01	3.3	16.9	67.8	34.25													
02	6.6	19.4	66.9	34.44													
03	9.8	19.1	66.4	34.26													
04	13.1	19.2	66.6	34.94													
05	16.4	19.3	66.7	34.86													
06	19.7	19.2	66.6	35.02													
07	23.0	19.2	66.6	35.11													
08	26.2	19.2	66.6	35.16													
09	29.5	19.2	66.6	35.15													
10	32.8	19.1	66.4	35.44													
11	36.1	18.2	64.8	35.79													
12	39.4	17.8	64.0	35.97													
13	42.6	17.5	63.5	35.80													

## PHYSICAL DATA REPORT

STATION: 02 RA BUCY (71-72)		LATITUDE 033:43:55 N		LONGITUDE 116:15:14 W		RECORDING DATE		DEPTH - METERS FEET		TEMPERATURE F		SALINITY PPT		DIS OGK PER		PH ION CONC		
JULY 172	00	0.0	19.0	66.2	35.11	5.20	6.0	DCT	*72	0.0	0.0	17.5	63.5	34.86	7.50	8.27		
01	3.3	18.5	65.3	35.11	5.80	6.22	0.1			3.3	17.5	63.5	34.86	8.28				
02	6.6	17.8	64.0	35.27	10.60	6.25	0.2			6.6	17.4	63.3	34.94	8.22				
03	9.8	17.0	62.6	35.55	5.00	8.22	0.3			9.8	17.3	63.1	35.03	8.21				
04	13.1	16.0	60.8	36.00	8.30	8.19	0.4			13.1	17.2	62.0	35.11	8.20				
05	16.4	15.6	60.4	36.18	7.40	8.16	0.5			16.4	17.2	63.0	35.11	8.19				
06	19.7	15.0	59.0	36.46	7.00	8.12	0.6			19.7	17.1	62.6	35.20	8.18				
07	23.0	13.6	56.5	36.57	5.20	8.07	0.7			23.0	17.0	62.6	35.20	8.16				
08	26.2	13.0	55.4	36.96	5.10	8.07	0.8			26.2	16.9	62.4	35.20	8.17				
09	29.5	12.2	54.0	36.00	5.00	8.09	0.9			29.5	16.6	61.9	35.46	8.16				
10	32.8	11.3	52.3	4.60	8.09	8.09	1.0			32.8	16.5	61.7	35.95	8.15				
AUG *72	00	0.0	19.0	66.2	34.94	11.60	6.4			11	36.1	61.2	35.73	8.13				
01	3.3	19.0	66.2	34.65	11.20	6.44	1.2			39.4	15.8	60.4	35.64	8.12				
02	6.6	17.5	63.5	35.11	12.00	8.42	1.3			42.6	15.4	55.7	35.82	8.12				
03	9.8	16.1	61.0	35.73	11.10	8.37												
04	13.1	15.9	60.6	35.82	9.10	8.30												
05	16.4	15.2	59.4	36.00	8.40	8.28												
06	19.7	14.9	58.8	36.28	8.10	8.25												
07	23.0	14.5	58.1	36.56	5.70	8.17												
08	26.2	14.2	57.6	36.75	5.20	8.15												
09	29.5	14.1	57.4	36.84	4.90	8.14												
10	32.8	13.8	56.8	36.83	4.10	8.10												
11	36.1	13.5	56.3	36.05	3.20	8.05												
12	39.4	13.2	55.8	36.40	3.40	8.06												
13	42.6	13.3	55.9	3.30	8.05													
SEPT *72	00	0.0	19.8	67.6	34.20													
01	3.3	16.9	67.8	34.25														
02	6.6	19.4	66.9	34.44														
03	9.8	19.1	66.4	34.26														
04	13.1	19.2	66.6	34.94														
05	16.4	19.3	66.7	34.86														
06	19.7	19.2	66.6	35.02														
07	23.0	19.2	66.6	35.11														
08	26.2	19.2	66.6	35.16														
09	29.5	19.2	66.6	35.15														
10	32.8	19.1	66.4	35.44														
11	36.1	18.2	64.8	35.79														
12	39.4	17.8	64.0	35.97														
13	42.6	17.5	63.5	35.80														



## ALLAN HANCOCK FOUNDATION

## PHYSICAL DATA REPORT

## PHYSICAL DATA REPORT

STATION: A2 RA BUCY

LATITUDE 033°43'03" N  
LONGITUDE 116°15'37" W

RECORDING DATE	- DEPTH - METERS FEET	TEMPERATURE C F	SALINITY PPT	DIS CNG PPM	P <small>H</small> IGN CONC	RECORDING DATE	- DEPTH - METERS FEET	TEMPERATURE C F	SALINITY PPT	DIS CNG PPM	P <small>H</small> IGN CONC
FEB '73	0	0.0	13.1	55.6	32.10	E-80	0.06	6.08	55.6	32.10	9.90
	0.1	3.3	13.1	55.6	32.30	E-80	0.1	3.3	11.9	53.4	7.77
	0.2	6.6	13.1	55.6	32.50	E-80	0.2	6.6	11.7	53.1	7.78
	0.3	9.8	13.1	55.6	32.60	E-70	0.3	5.8	11.4	52.5	7.78
	0.4	13.1	13.1	55.6	33.00	E-60	0.4	13.1	11.2	52.2	7.79
	0.5	16.4	13.1	55.6	33.20	E-50	0.5	16.4	11.0	51.6	7.78
	0.6	19.7	13.1	55.6	33.30	E-40	0.6	19.7	10.9	51.6	7.76
	0.7	23.0	13.1	55.6	33.40	E-50	0.7	23.0	10.8	51.4	7.77
	0.8	26.2	13.1	55.6	33.40	E-60	0.8	26.2	10.6	51.1	7.77
	0.9	29.5	13.1	55.6	33.60	E-70	0.9	29.5	10.5	50.9	7.76
	1.0	32.8	13.1	55.6	33.90	E-80	1.0	32.8	10.4	50.7	7.76
	1.1	36.1	13.1	55.6	34.00	E-60	1.1	36.1	10.2	50.4	7.76
	1.2	39.4	13.1	55.6	34.00	E-80	1.2	39.4	10.2	50.4	7.74
	1.3	42.6	13.1	55.6	34.00	E-70	1.3	42.6	9.5	49.9	7.69

STATION: A2 RA BUCY

LATITUDE 033°43'03" N  
LONGITUDE 116°15'37" W

RECORDING DATE	- DEPTH - METERS FEET	TEMPERATURE C F	SALINITY PPT	DIS CNG PPM	P <small>H</small> IGN CONC	RECORDING DATE	- DEPTH - METERS FEET	TEMPERATURE C F	SALINITY PPT	DIS CNG PPM	P <small>H</small> IGN CONC
MAR '73	0	0.0	14.6	5E+3	32.60	1C-00	0.22	1C-00	0.0	0.0	7.50
	0.1	3.3	14.5	5E+1	32.70	1C-00	6.21	6.21	0.1	3.3	6.73
	0.2	6.6	14.3	57.7	32.90	1C-00	8.22	8.22	0.2	6.6	6.72
	0.3	9.8	14.2	57.6	33.00	1C-00	8.23	8.23	0.3	9.8	6.74
	0.4	13.1	14.2	57.6	33.00	1C-00	8.24	8.24	0.4	13.1	6.64
	0.5	16.4	14.2	57.6	33.10	1C-10	8.22	8.22	0.5	16.4	6.62
	0.6	19.7	14.2	57.6	33.00	5-90	8.22	8.22	0.6	19.7	6.60
	0.7	23.0	14.3	57.7	33.00	10.20	8.23	8.23	0.7	23.0	6.59
	0.8	26.2	14.3	57.7	33.10	10.20	8.23	8.23	0.8	26.2	6.58
	0.9	29.5	14.3	57.7	33.10	1C-00	8.22	8.22	0.9	29.5	6.57
	1.0	32.8	14.2	57.6	33.10	10.00	6.22	6.22	1.0	32.8	6.56
	1.1	36.1	14.2	57.6	33.10	1C-00	8.22	8.22	1.1	36.1	6.50
	1.2	39.4	14.2	57.6	33.10	10.00	8.22	8.22	1.2	39.4	6.44
	1.3	42.6	14.1	57.4	33.20	5+50	8.22	8.22			6.37
	1.4	45.9	14.1	57.4	33.10	5-20	8.22	8.22			6.37
	JUNE '73	0	0.0	15.9		0	0.0	15.9	66.6	34.10	6.05
		0.1	3.3			0.1	3.3	15.9	60.6	33.60	7.20
		0.2	6.6			0.2	6.6	15.8	60.4	33.60	7.00
		0.3	9.8			0.3	9.8	15.3	59.5	33.70	6.97
		0.4	13.1			0.4	13.1	15.7	60.3	33.50	7.20
		0.5	16.4			0.5	16.4	15.8	60.4	33.60	6.98
		0.6	19.7			0.6	19.7	15.6	60.1	33.50	6.96
		0.7	23.0			0.7	23.0	14.1	57.4	33.50	6.91
		0.8	26.2			0.8	26.2	13.2	55.8	33.50	7.49
		0.9	29.5			0.9	29.5	13.0	55.4	33.60	7.95
		1.0	32.8			1.0	32.8	11.7	52.1	33.70	7.94
		1.1	36.1			1.1	36.1	11.6	52.9	33.60	7.93

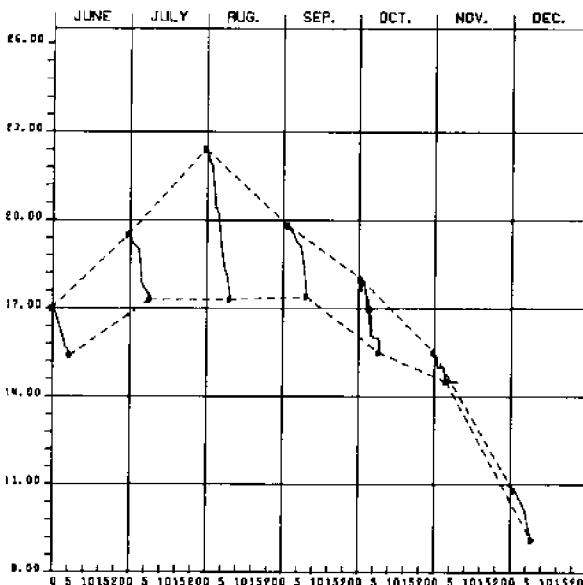
## **PHYSICAL-EAT REPORT**

STATION: A2 R4 BUCY		LATITUDE: 033°43'03" N		LONGITUDE: 116°15'37" W		PH		N-LON-CONC	
RECORDING DATE	T-DEPTH - METERS	E-TEMPERATURE C.	F-TEMPERATURE E.	SALINITY PPT	DIS-CGX PPT	DIS-CGX PPT	DIS-CGX PPT	N-LON-CONC	
JULY 4 73	00	0.0	18.8	65.8	33.00	0.00	0.00	0.00	
	01	3.3	18.5	65.5	33.20	7.60	8.03	8.03	
	02	6.6	18.6	65.5	33.40	7.60	8.01	7.98	
	03	9.8	18.0	64.4	33.40	7.30	7.92	7.96	
	04	13.1	17.8	64.0	33.50	7.10	7.96	7.96	
	05	16.4	17.4	63.3	33.40	6.60	7.93	7.93	
	06	19.7	16.1	61.0	33.70	6.00	7.92	7.92	
	07	23.0	15.8	60.4	33.80	5.50	7.86	7.86	
	08	26.2	15.4	59.7	33.60	5.20	7.82	7.82	
	09	29.5	15.0	55.0	33.60	5.00	7.80	7.80	
	10	32.8	14.6	56.3	33.60	4.70	7.76	7.76	
	11	36.1	14.2	57.6	33.70	4.40	7.73	7.73	
AUG 4 73	00	0.0	18.8	65.8	33.00	0.00	0.00	0.00	
	01	3.3	18.7	65.7	33.20	0.60	7.44	7.46	
	02	6.6	18.5	65.3	33.50	0.50	7.44	7.44	
	03	9.8	17.5	63.5	33.60	0.40	7.44	7.44	
	04	13.1	16.8	62.2	33.70	0.90	7.40	7.40	
	05	16.4	16.7	62.1	33.40	0.00	7.39	7.39	
	06	19.7	16.2	61.2	33.50	7.50	7.35	7.35	
	07	23.0	16.2	61.2	33.40	7.30	7.34	7.34	
	08	26.2	16.0	60.8	33.40	7.20	7.34	7.34	
	09	29.5	15.8	60.4	33.60	7.70	7.33	7.33	
	10	32.8	15.5	55.9	33.50	6.60	7.29	7.29	
	11	36.1	15.4	59.7	33.60	0.50	7.26	7.26	
	12	39.4	15.3	52.5	33.40	0.40	7.26	7.26	
SEPT 4 73	00	0.0	16.2	61.2	33.00	0.00	0.00	0.00	
	01	3.3	16.2	61.2	33.30	0.50	7.90	7.90	
	02	6.6	16.2	61.2	33.30	0.40	7.92	7.92	
	03	9.8	15.9	60.6	33.40	0.50	7.93	7.93	
	04	13.1	15.4	55.7	33.40	0.50	7.96	7.96	
	05	16.4	15.6	60.1	33.50	0.80	7.96	7.96	
	06	19.7	14.9	58.8	33.40	0.70	7.96	7.96	
	07	23.0	14.6	56.3	33.40	0.00	7.96	7.96	
	08	26.2	14.2	57.6	33.50	0.70	7.96	7.96	
	09	29.5	13.7	56.7	33.50	7.20	7.96	7.96	
	10	32.8	13.4	56.1	33.40	7.20	7.96	7.96	
	11	36.1	13.4	56.1	33.40	7.30	7.96	7.96	
	12	39.4	13.2	55.8	33.40	6.90	7.94	7.94	

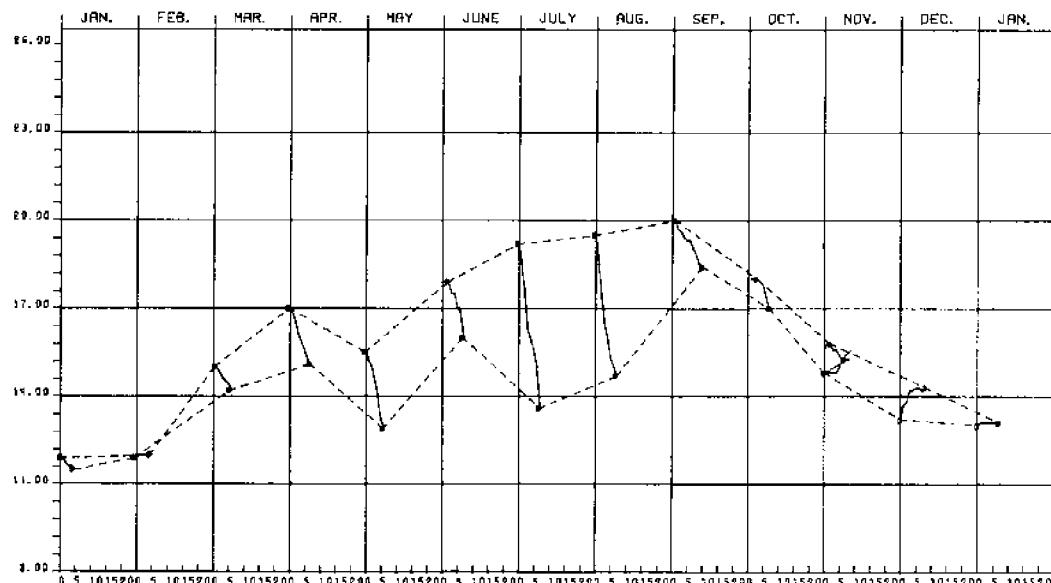
PHYSICAL DATA REPORT

STATION:	A2	R4	BUCY	LONGITUDE	116°15'37" W
LATITUDE	033°43'03" N			DIS	CXG
- DEPTH -	TEMPERATURE	SALINITY	PPT	REM.	E
METERS FEET	°C	‰			
0.0	0.0	17.0	62.6	32.76	c=2.0
0.1	3.3	17.0	62.6	33.20	c=0.0
0.2	6.6	17.0	62.6	33.30	c=0.0
0.3	9.9	16.8	62.2	33.20	c=3.0
0.4	13.1	16.4	61.5	33.36	7+5.0
0.5	16.4	16.1	61.0	33.30	b=2.0
0.6	19.7	16.0	60.8	33.40	b=0.0
0.7	23.0	16.0	60.8	33.40	7+7.0
0.8	26.2	15.9	60.6	33.40	7+4.0
0.9	29.5	15.8	60.4	33.50	7+2.0
1.0	32.8	15.6	60.1	33.40	6+9.0
1.1	36.1	15.3	59.5	33.50	7+10
1.2	39.4	15.0	59.0	33.50	7.00
0.0	c=0	16.4	61.5	33.16	7+CC
0.1	3.3	16.4	61.5	33.20	b=8.0
0.2	6.6	16.4	61.5	33.20	b=1.0
0.3	9.9	16.4	61.5	33.20	7+2.0
0.4	13.1	16.4	61.5	33.30	7+0.0
0.5	16.4	16.3	61.3	33.25	7+0.0
0.6	19.7	16.3	61.3	33.30	7+2.0
0.7	23.0	16.2	61.2	33+30	6+9.0
0.8	26.2	16.2	61.2	33+35	7+3.0
0.9	29.5	16.1	c1=0	33+35	7+6.0
1.0	32.8	16.1	61.0	33.30	7+2.0
1.1	36.1	15.8	cCc4	33+35	7+5.0
1.2	39.4	15.7	cCc3	33+45	7+2.0

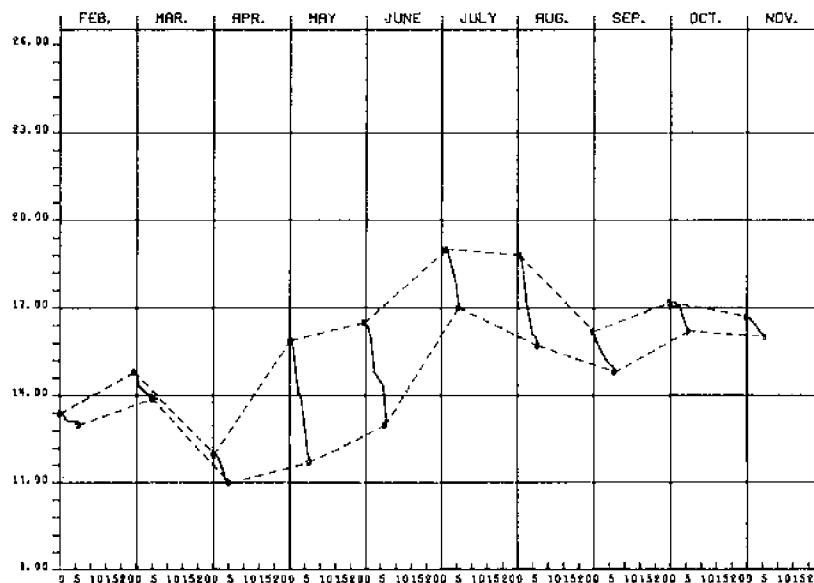
1971 TEMPERATURE DATA  
 STATION: 03 R2 BUOY (71-72)  
 DATA: DEPTH METERS / TEMP CELSIUS



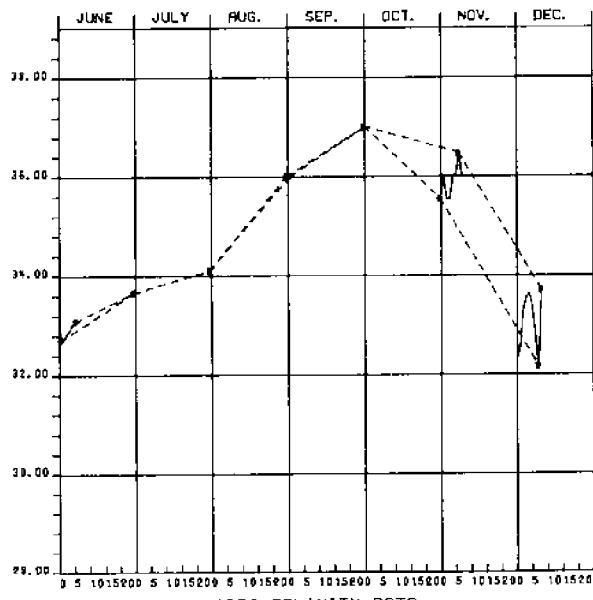
1972 TEMPERATURE DATA  
 STATION: 03 R2 BUOY (71-72)  
 DATA: DEPTH METERS / TEMP CELSIUS



1973 TEMPERATURE DATA  
 STATION: R3 R2 BUOY  
 DATA: DEPTH METERS / TEMP CELSIUS

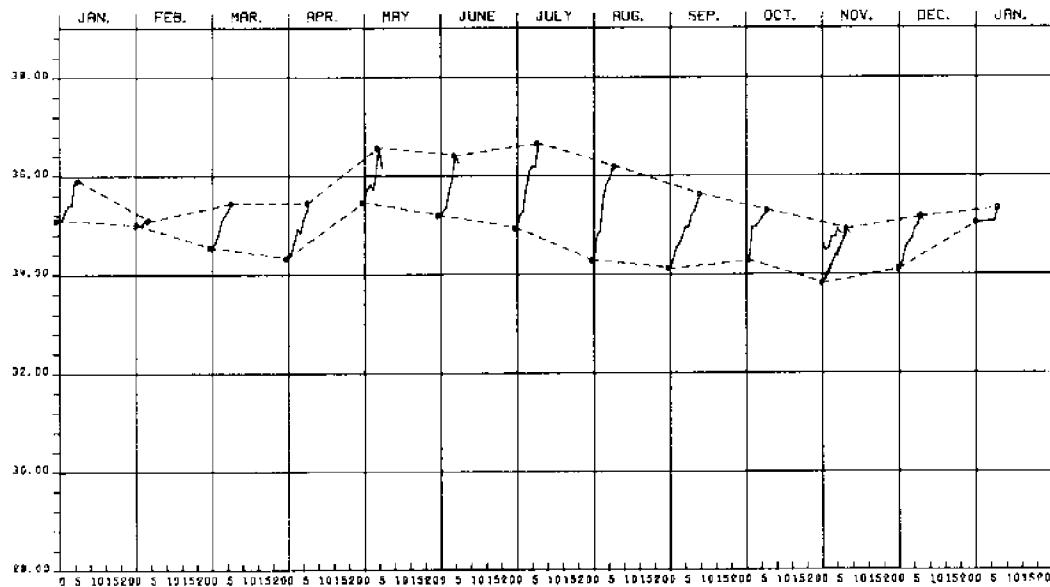


1971 SALINITY DATA  
 STATION: 03 R2 BUOY (71-72)  
 DATA: DEPTH METERS / SAL PPT



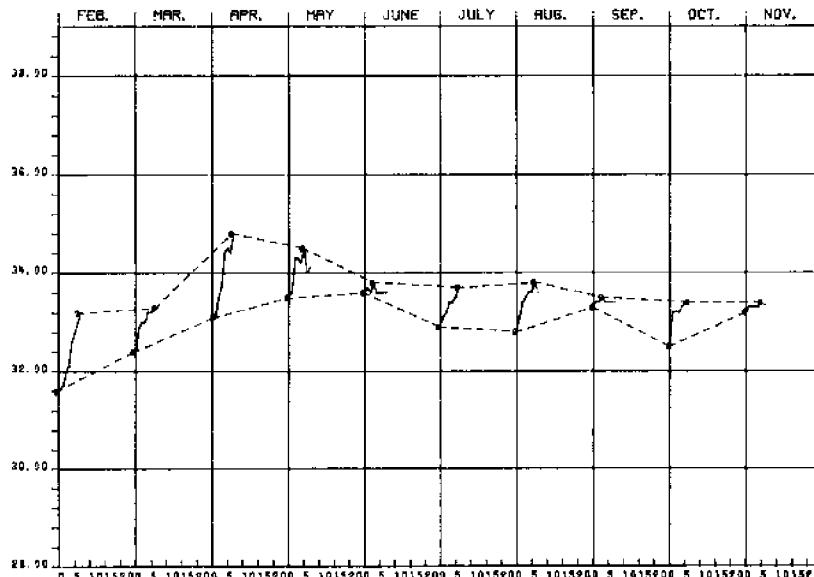
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STATION: 03 R2 BUOY (71-72)  
 DATA: DEPTH METERS / SAL PPT

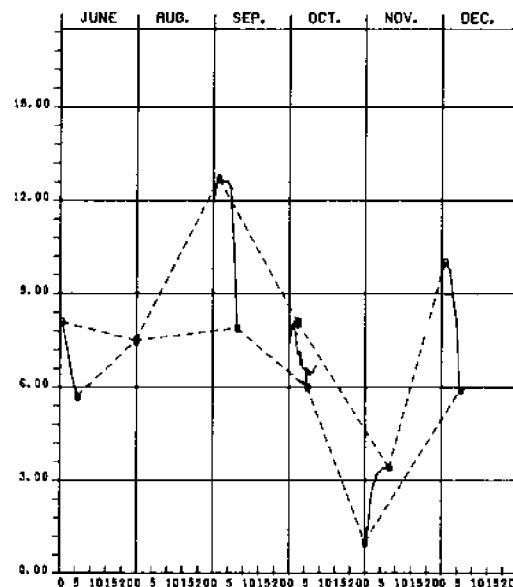


1973 SALINITY DATA

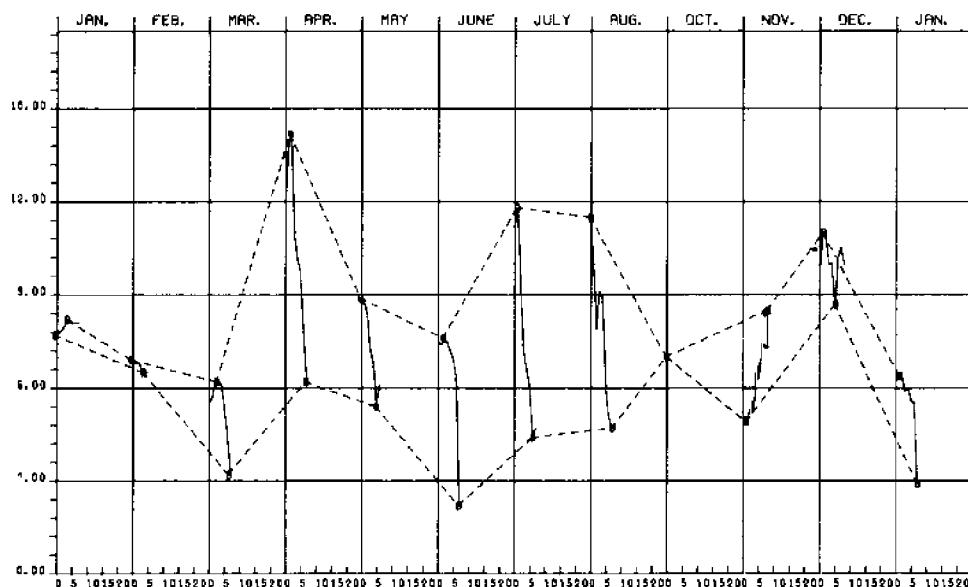
STATION: R3 R2 BUOY  
 DATA: DEPTH METERS / SAL PPT



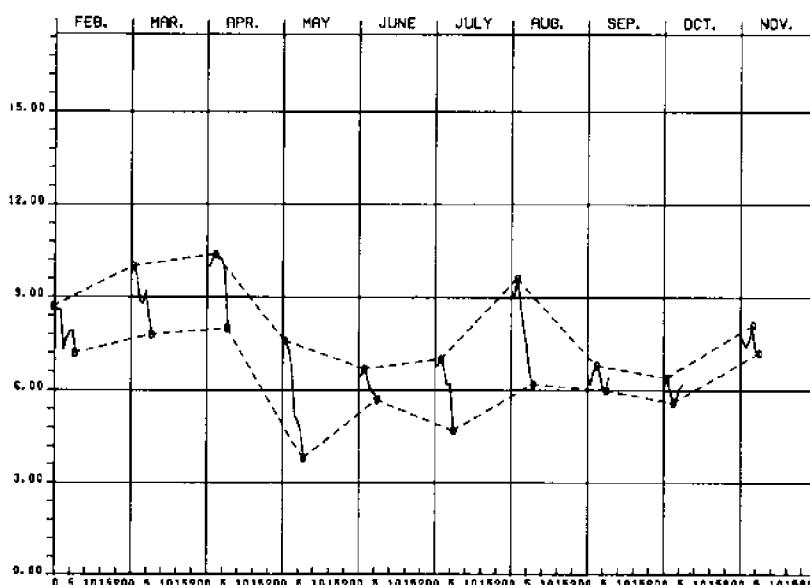
1971 DISSOLVED OXYGEN  
 STATION 03 R2 BUOY (71-72)  
 DATA: DEPTH METERS / DIS OXG PPM



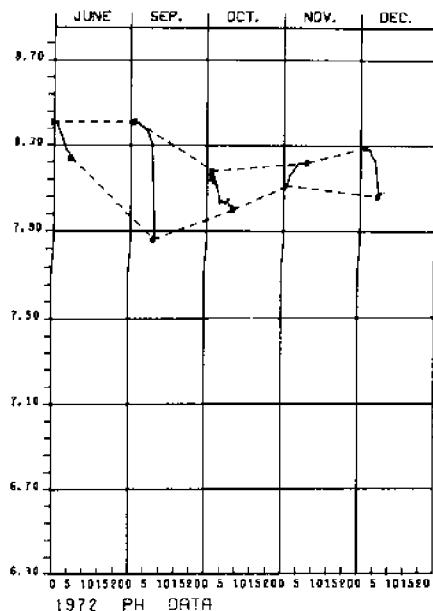
1972 DISSOLVED OXYGEN  
 STATION 03 R2 BUOY (71-72)  
 DATA: DEPTH METERS / DIS OXG PPM



1973 DISSOLVED OXYGEN  
 STATION 03 R2 BUOY  
 DATA: DEPTH METERS / DIS OXG PPM

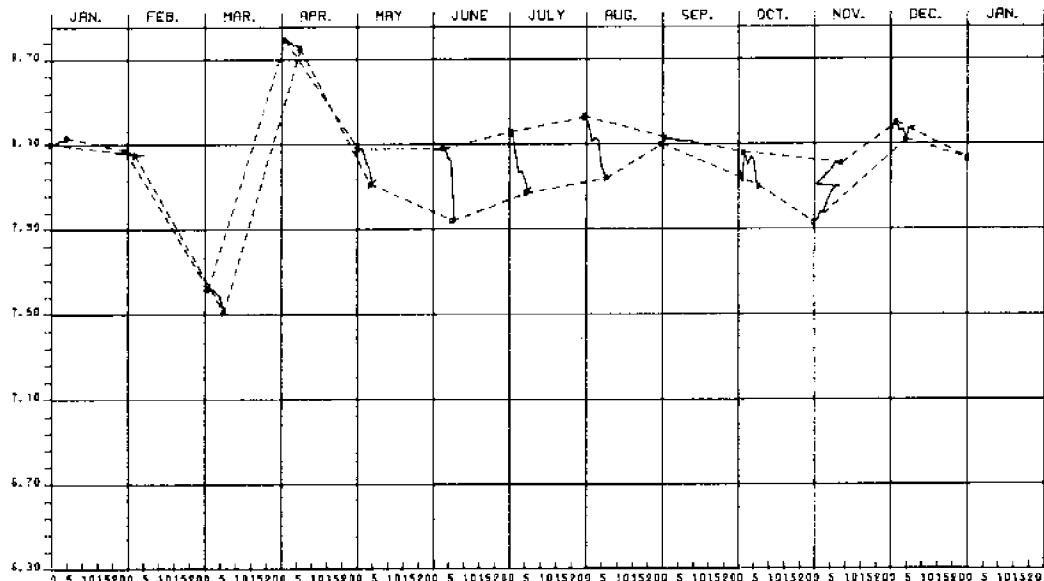


1971 PH DATA  
STATION: 03 R2 BUOY (71-72)  
DATA: DEPTH METERS / PH H ION CONC

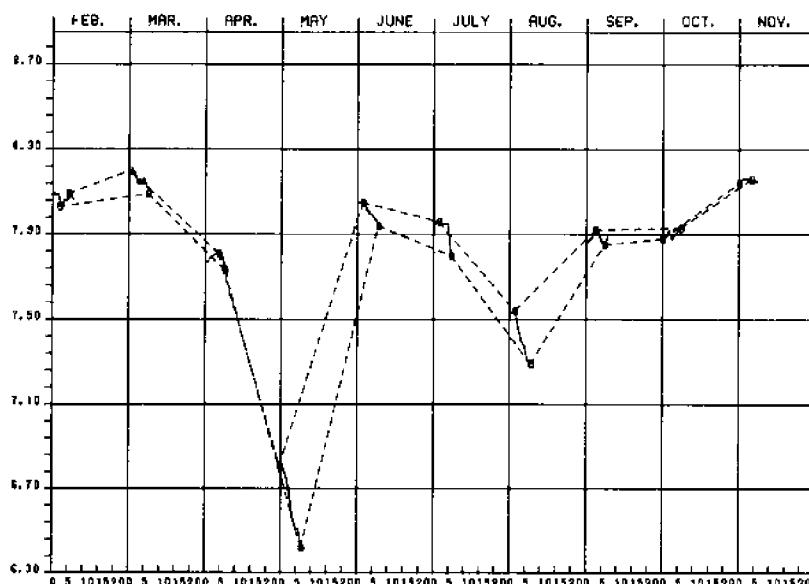


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STATION: 03 R2 BUOY (71-72)  
DATA: DEPTH METERS / PH H ION CONC



1973 PH DATA  
STATION: 03 R2 BUOY  
DATA: DEPTH METERS / PH H ION CONC



## ALLAN HANCOCK FOUNDATION

## PHYSICAL DATA REPORT

STATION: 03 \*2 BUCY (71-72)  
LATITUDE 033°43'28 N LONGITUDE 118°15'37 W

RECORDING DATE	DEPTH - METERS FEET	TEMPERATURE C F	SALINITY PPM	PH HANSON	RECORDING - DATE		DEPTH - METERS FEET	TEMPERATURE C F	SALINITY PPM	PH HANSON
					OCT •71	OCT •71				
JUNE •71	0.0	17.0	32.90	8.41	0.0	17.9	64.2	7.50	8.13	
	0.1	16.8	32.70	8.40	0.0	16.0	64.4	7.20	8.13	
	0.3	16.1	32.50	8.32	0.1	17.6	63.7	6.00	8.13	
	0.4	15.7	32.00	8.40	0.1	18.0	64.4	8.00	8.17	
	0.6	15.4	33.10	8.24	0.2	17.8	64.0	8.10	8.12	
	0.7	15.4	33.10	8.70	0.2	17.9	64.2	8.00	8.18	
	0.9	19.5	33.67		0.3	16.9	62.4	7.10	8.10	
JULY •71	0.1	19.2	66.0		0.3	17.6	63.7	6.10	8.14	
	0.3	19.0	66.2		0.4	16.1	61.0	6.50	8.06	
	0.4	17.8	64.0		0.4	17.4	63.3	7.10	8.03	
	0.6	17.5	63.5		0.5	16.0	60.9	6.10	8.04	
	0.7	17.3	63.1		0.5	17.0	62.6	7.20	8.04	
	0.9	22.4	72.3	34.11	0.6	19.7	60.8	6.00	8.03	
	1.1	22.0	71.6		0.6	19.8	62.2	6.60	8.03	
AUG •71	0.2	6.6	21.8		0.7	23.0	15.5	5.50	6.05	
	0.3	9.8	20.4		0.7	23.0	16.8	6.20	6.02	
	0.4	13.1	20.2		0.9	26.2	16.6	6.10	6.02	
	0.5	16.4	19.1		0.9	26.2	16.9	6.50	6.02	
	0.6	19.7	18.3		0.9	29.5	15.7	6.03	6.00	
	0.7	23.0	16.0		0.9	29.5	15.7	6.70	6.00	
	0.8	26.2	17.3	63.1	0.0	0.0	15.5	5.55	1.00	
SEPT •71	0.0	19.8	67.6	36.01	0.1	15.0	59.0	36.00	1.40	
	0.1	19.8	67.6	36.01	0.2	15.0	59.0	35.55	2.50	
	0.2	6.6	67.3		0.3	15.0	58.0	35.55	2.90	
	0.3	9.8	67.3		0.4	13.1	58.0	35.01	3.20	
	0.4	13.1	69.9		0.5	16.4	58.1	36.01	3.30	
	0.5	16.4	69.2		0.6	19.7	58.1	36.47	3.40	
	0.6	19.7	69.1		0.7	23.0	14.5	36.01	3.40	
OCT •71	0.7	23.0	64.9		0.8	26.2	14.5	36.01	3.40	
	0.8	26.2	63.1		0.8	26.2	14.5	36.01	3.40	
	0.9	19.6	67.3		0.9	29.5	14.5	36.01	3.40	
	1.0	19.4	67.6		0.9	29.5	14.5	36.01	3.40	
	1.1	19.4	67.6		0.9	29.5	14.5	36.01	3.40	
	1.2	6.6	67.6		0.9	29.5	14.5	36.01	3.40	
	1.3	9.8	67.3		0.9	29.5	14.5	36.01	3.40	
NOV •71	0.0	19.8	67.6	36.01	0.0	0.0	15.5	59.9	1.00	
	0.1	19.8	67.6	36.01	0.1	15.0	59.0	36.00	1.40	
	0.2	6.6	67.3		0.2	15.0	59.0	35.55	2.50	
	0.3	9.8	67.3		0.3	15.0	58.0	35.55	2.90	
	0.4	13.1	69.9		0.4	13.1	58.1	35.01	3.20	
	0.5	16.4	69.2		0.5	16.4	58.1	36.01	3.30	
	0.6	19.7	69.1		0.6	19.7	58.1	36.47	3.40	
DEC •71	0.7	23.0	64.9		0.7	23.0	14.5	36.01	3.40	
	0.8	26.2	63.1		0.8	26.2	14.5	36.01	3.40	
	0.9	19.6	67.3		0.9	29.5	14.5	36.01	3.40	
	1.0	19.4	67.6		0.9	29.5	14.5	36.01	3.40	
	1.1	19.4	67.6		0.9	29.5	14.5	36.01	3.40	
	1.2	6.6	67.6		0.9	29.5	14.5	36.01	3.40	
	1.3	9.8	67.3		0.9	29.5	14.5	36.01	3.40	
JAN •72	0.0	19.8	67.6	36.01	0.0	0.0	15.5	59.9	1.00	
	0.1	19.8	67.6	36.01	0.1	15.0	59.0	36.00	1.40	
	0.2	6.6	67.3		0.2	15.0	59.0	35.55	2.50	
	0.3	9.8	67.3		0.3	15.0	58.0	35.55	2.90	
	0.4	13.1	69.9		0.4	13.1	58.1	35.01	3.20	
	0.5	16.4	69.2		0.5	16.4	58.1	36.01	3.30	
	0.6	19.7	69.1		0.6	19.7	58.1	36.47	3.40	
FEB •72	0.7	23.0	64.9		0.7	23.0	14.5	36.01	3.40	
	0.8	26.2	63.1		0.8	26.2	14.5	36.01	3.40	
	0.9	19.6	67.3		0.9	29.5	14.5	36.01	3.40	
	1.0	19.4	67.6		0.9	29.5	14.5	36.01	3.40	
	1.1	19.4	67.6		0.9	29.5	14.5	36.01	3.40	
	1.2	6.6	67.6		0.9	29.5	14.5	36.01	3.40	
	1.3	9.8	67.3		0.9	29.5	14.5	36.01	3.40	
MAR •72	0.0	19.8	67.6	36.01	0.0	0.0	15.5	59.9	1.00	
	0.1	19.8	67.6	36.01	0.1	15.0	59.0	36.00	1.40	
	0.2	6.6	67.3		0.2	15.0	59.0	35.55	2.50	
	0.3	9.8	67.3		0.3	15.0	58.0	35.55	2.90	
	0.4	13.1	69.9		0.4	13.1	58.1	35.01	3.20	
	0.5	16.4	69.2		0.5	16.4	58.1	36.01	3.30	
	0.6	19.7	69.1		0.6	19.7	58.1	36.47	3.40	
APR •72	0.7	23.0	64.9		0.7	23.0	14.5	36.01	3.40	
	0.8	26.2	63.1		0.8	26.2	14.5	36.01	3.40	
	0.9	19.6	67.3		0.9	29.5	14.5	36.01	3.40	
	1.0	19.4	67.6		0.9	29.5	14.5	36.01	3.40	
	1.1	19.4	67.6		0.9	29.5	14.5	36.01	3.40	
	1.2	6.6	67.6		0.9	29.5	14.5	36.01	3.40	
	1.3	9.8	67.3		0.9	29.5	14.5	36.01	3.40	
MAY •72	0.0	19.8	67.6	36.01	0.0	0.0	15.5	59.9	1.00	
	0.1	19.8	67.6	36.01	0.1	15.0	59.0	36.00	1.40	
	0.2	6.6	67.3		0.2	15.0	59.0	35.55	2.50	
	0.3	9.8	67.3		0.3	15.0	58.0	35.55	2.90	
	0.4	13.1	69.9		0.4	13.1	58.1	35.01	3.20	
	0.5	16.4	69.2		0.5	16.4	58.1	36.01	3.30	
	0.6	19.7	69.1		0.6	19.7	58.1	36.47	3.40	
JUN •72	0.7	23.0	64.9		0.7	23.0	14.5	36.01	3.40	
	0.8	26.2	63.1		0.8	26.2	14.5	36.01	3.40	
	0.9	19.6	67.3		0.9	29.5	14.5	36.01	3.40	
	1.0	19.4	67.6		0.9	29.5	14.5	36.01	3.40	
	1.1	19.4	67.6		0.9	29.5	14.5	36.01	3.40	
	1.2	6.6	67.6		0.9	29.5	14.5	36.01	3.40	
	1.3	9.8	67.3		0.9	29.5	14.5	36.01	3.40	
JULY •72	0.0	19.8	67.6	36.01	0.0	0.0	15.5	59.9	1.00	
	0.1	19.8	67.6	36.01	0.1	15.0	59.0	36.00	1.40	
	0.2	6.6	67.3		0.2	15.0	59.0	35.55	2.50	
	0.3	9.8	67.3		0.3	15.0	58.0	35.55	2.90	
	0.4	13.1	69.9		0.4	13.1	58.1	35.01	3.20	
	0.5	16.4	69.2		0.5	16.4	58.1	36.01	3.30	
	0.6	19.7	69.1		0.6	19.7	58.1	36.47	3.40	
AUG •72	0.7	23.0	64.9		0.7	23.0	14.5	36.01	3.40	
	0.8	26.2	63.1		0.8	26.2	14.5	36.01	3.40	
	0.9	19.6	67.3		0.9	29.5	14.5	36.01	3.40	
	1.0	19.4	67.6		0.9	29.5	14.5	36.01	3.40	
	1.1	19.4	67.6		0.9	29.5	14.5	36.01	3.40	
	1.2	6.6	67.6		0.9	29.5	14.5	36.01	3.40	
	1.3	9.8	67.3		0.9	29.5	14.5	36.01	3.40	
SEP •72	0.0	19.8	67.6	36.01	0.0	0.0	15.5	59.9	1.00	
	0.1	19.8	67.6	36.01	0.1	15.0	59.0	36.00	1.40	
	0.2	6.6	67.3		0.2	15.0	59.0	35.55	2.50	
	0.3	9.8	67.3		0.3	15.0	58.0	35.55	2.90	
	0.4	13.1	69.9		0.4	13.1	58.1	35.01	3.20	
	0.5	16.4	69.2		0.5	16.4	58.1	36.01	3.30	
	0.6	19.7	69.1		0.6	19.7	58.1	36.47	3.40	
OCT •72	0.7	23.0	64.9		0.7	23.0	14.5	36.01	3.40	
	0.8	26.2	63.1		0.8	26.2	14.5	36.01	3.40	

## PHYSICAL--DATA--REQUEST

## PHYSICAL--DATA--REPORT

STATION: 03 R2 BUOY (71-72)		LONGITUDE 118:15:37 W		STATION: 03 R2 BUOY (71-72)		LONGITUDE 118:15:37 W	
LATITUDE	033:43:28 N	LATITUDE	033:43:28 N	LATITUDE	033:43:28 N	LATITUDE	033:43:28 N
<b>RECORDING - DEPTH - TEMPERATURE SALINITY DIS CNG PH DATE METERS FEET C E PPI HI ON CONC</b>							
JAN *72	00 0.0	11.9	53.4	35.10	7.70	8.30	JUNE *72
01 3.3	11.9	53.4	35.10	7.66	8.30	8.30	0.0 17.9
02 6.6	11.7	53.1	35.30	7.50	8.31	8.42	3.3 17.3
03 9.8	11.6	52.9	35.40	8.10	8.32	8.42	6.6 17.9
04 13.1	11.6	52.9	35.40	8.20	8.32	8.35	9.8 17.5
05 16.4	11.5	52.7	35.90	8.10	8.33	8.35	13.1 17.5
06 19.7	11.5	52.7	35.90	8.10	8.33	8.35	16.4 17.0
07 23.0	11.5	52.7	35.90	8.10	8.32	8.36	19.7 16.9
FEB *72	00 0.0	11.9	53.4	35.10	8.27	8.27	JULY *72
01 3.3	12.0	53.6	35.00	8.20	8.26	8.27	0.0 19.2
02 6.6	12.0	53.6	35.00	8.20	8.26	8.27	3.3 18.4
03 9.8	12.0	53.6	35.10	8.20	8.25	8.26	6.6 17.6
04 13.1	12.0	53.6	35.10	8.20	8.25	8.26	9.8 16.3
05 16.4	12.0	53.6	35.10	8.20	8.25	8.26	13.1 16.9
MAR *72	00 0.0	14.9	56.8	34.54	5.56	7.61	AUG *72
01 3.3	15.0	59.0	34.64	5.70	7.61	7.62	0.0 19.5
02 6.6	14.8	58.6	34.81	6.20	7.62	7.62	3.3 18.5
03 9.8	14.6	58.3	35.08	6.20	7.61	7.61	6.6 17.5
04 13.1	14.5	58.1	35.17	6.10	7.60	7.60	9.8 17.5
05 16.4	14.4	57.9	35.26	6.40	7.56	7.56	13.1 16.5
06 19.7	14.2	57.6	35.46	6.50	7.53	7.53	16.4 15.6
07 23.0	14.2	57.6	35.45	3.20	7.51	7.51	19.7 15.0
APR *72	00 0.0	17.0	62.6	34.33	11.90	8.78	SEPT *72
01 3.3	16.8	62.2	34.41	13.90	8.78	8.75	0.0 19.5
02 6.6	16.5	61.7	34.67	14.20	8.75	8.75	3.3 18.5
03 9.8	16.0	60.8	34.93	11.00	8.78	8.78	6.6 19.7
04 13.1	15.8	60.4	34.84	16.10	8.77	8.77	9.8 19.6
05 16.4	15.5	59.9	35.10	9.70	8.77	8.77	13.1 19.4
06 19.7	15.2	59.4	35.26	7.60	8.76	8.76	16.4 18.4
07 23.0	15.1	59.2	35.46	6.20	8.75	8.75	19.7 18.7
MAY *72	00 0.0	15.5	59.9	35.46	8.90	8.28	0.0 20.0
01 3.3	15.2	59.4	35.73	8.70	8.26	8.26	3.3 19.7
02 6.6	15.0	59.0	35.82	8.40	8.27	8.27	6.6 19.0
03 9.8	14.5	58.1	35.73	7.20	8.21	8.21	9.8 18.9
04 13.1	13.9	57.0	36.10	6.80	8.19	8.19	13.1 18.4
05 16.4	13.2	55.8	36.57	5.40	8.11	8.11	16.4 18.1
06 19.7	12.9	55.2	36.14	6.10	8.13	8.13	19.7 18.4

PHYSICAL--DATA--REPORT		PHYSICAL--DATA--REPORT		PHYSICAL--DATA--REPORT		PHYSICAL--DATA--REPORT	
STATION: 03 R2 BUOY (71-72)		STATION: 03 R2 BUOY (71-72)		STATION: 03 R2 BUOY (71-72)		STATION: 03 R2 BUOY (71-72)	
<b>PH ION CONC E TEMPERATURE C F SALINITY PPM E C F C G P H I O N C O N C E</b>							
JUN *72	0.0	3.3	6.6	17.9	6.4	35.20	7.50
01 3.3	0.2	6.6	17.3	6.4	35.28	7.40	6.28
02 6.6	0.3	9.8	17.9	6.4	35.37	7.60	6.28
03 9.8	0.4	13.1	17.5	6.3	35.72	7.50	6.28
04 13.1	0.5	16.4	17.5	6.3	35.67	7.20	6.28
05 16.4	0.6	19.7	16.9	6.2	36.42	6.90	6.24
06 19.7	0.7	23.0	16.9	6.2	36.25	6.40	6.22
JULY *72	0.0	3.3	6.6	16.6	6.5	34.94	11.20
01 3.3	0.2	6.6	17.6	6.7	35.20	11.20	6.36
02 6.6	0.3	9.8	16.3	6.7	35.28	9.50	6.26
03 9.8	0.4	13.1	16.9	6.6	35.72	7.20	6.17
04 13.1	0.5	16.4	16.4	6.6	36.09	6.60	6.17
05 16.4	0.6	19.7	15.6	6.5	36.18	6.00	6.14
06 19.7	0.7	23.0	15.0	6.5	36.15	5.90	6.07
AUG *72	0.0	3.3	6.6	15.5	6.5	36.66	4.70
01 3.3	0.2	6.6	17.6	6.7	34.26	11.50	6.43
02 6.6	0.3	9.8	17.7	6.5	34.77	10.00	6.38
03 9.8	0.4	13.1	17.5	6.5	34.86	7.90	6.31
04 13.1	0.5	16.4	16.5	6.5	35.55	5.10	6.33
05 16.4	0.6	19.7	15.9	6.6	35.82	6.90	6.32
06 19.7	0.7	23.0	15.3	6.5	35.91	6.00	6.20
07 23.0	0.0	3.3	6.6	15.7	6.5	36.10	5.10
08 23.0	0.1	6.6	17.7	6.7	36.19	4.70	6.14

## ALLAN HANCOCK FOUNDATION

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## PHYSICAL--DATA--REPORT

STATION: 03 R2 BUCY (71-72)		LATITUDE 033°43'26 N		LONGITUDE 116°15'37 W	
RECORDING DATE	- DEPTH - METERS	TEMPERATURE C	SALINITY PPT	CIS DKG FFM	PH TIC-CCG FFM
OCT 72	0.0	18.0	64.4	34.43	7.00
0.1	3.3	18.0	64.4	34.27	6.90
0.2	6.6	18.0	64.4	34.94	6.26
0.3	9.8	18.0	64.4	34.94	8.20
0.4	13.1	17.9	64.2	35.03	8.24
0.5	16.4	17.8	64.0	35.11	8.23
0.6	19.7	17.4	63.3	35.20	6.12
C7	23.0	17.0	62.6	35.29	8.12
NUV	72	0.0	15.6	60.1	5.20
	0.0	14.8	56.6	33.62	7.10
	0.1	3.3	14.8	56.6	33.51
	0.1	3.3	15.6	60.4	34.45
	0.2	6.6	15.6	60.4	34.51
	0.2	6.6	14.8	56.6	34.00
	0.3	9.8	14.8	56.6	34.16
	0.3	9.8	15.6	60.1	34.75
C4	13.1	15.6	60.1	34.76	6.70
0.4	13.1	14.8	58.6	34.26	6.20
0.5	16.4	15.0	59.0	34.37	8.13
0.5	16.4	15.4	59.7	34.92	7.80
0.6	19.7	15.3	59.5	34.83	5.20
0.6	19.7	15.2	59.4	34.57	6.70
0.7	23.0	15.4	59.7	34.74	6.20
0.7	23.0	15.5	59.5	34.82	7.30
0.8	26.2	15.3	59.5	34.83	6.30
0.8	26.2	15.5	59.9	34.92	6.50
0.9	29.5	15.6	60.1	34.83	8.40
DEC	72	0.0	13.2	55.8	9.60
	0.1	3.3	13.7	56.7	11.00
	0.2	6.6	13.8	56.8	10.80
	0.3	9.8	14.2	57.6	10.00
	0.4	13.1	14.2	57.6	10.00
	0.5	16.4	14.3	57.7	9.70
	0.6	19.7	14.3	57.7	10.50
0.7	23.0	14.2	57.6	35.17	10.50
0.8	26.2	14.3	57.7	35.00	10.00

## PHYSICAL--DATA--REPORT

STATION: 03 R2 BUCY (71-72)		LATITUDE 033°43'26 N		LONGITUDE 116°15'37 W	
RECORDING DATE	- DEPTH - METERS	TEMPERATURE C	DEPTH - FEET	TEMPERATURE C	DIS DKG PPT
JAN 73	0.0	13.0	0.0	55.4	35.05
	0.1	3.3	0.2	55.6	35.05
	0.2	6.6	0.3	55.6	35.05
	0.3	9.8	0.4	55.6	35.05
	0.4	13.1	0.5	55.6	35.05
	0.5	16.4	0.6	55.6	35.05
	0.6	19.7	0.7	55.6	35.05
	0.7	23.0	0.8	55.6	35.05
	0.8	26.2	0.9	55.6	35.05

## PHYSICAL DATA REPORT

STATION: A3 R2 BUCY

LATITUDE 033°43'28" N

LONGITUDE 118:15:37 W

RECORDING - DEPTH - TEMPERATURE

DATE METERS FEET C F

FEB

•73

STATION: A3 R2 BUCY

LATITUDE 033°43'28" N

LONGITUDE 118:15:37 W

RECORDING - DEPTH - TEMPERATURE

DATE

METERS

FEET

C

F

SALINITY

CIS DKG

PH EPM

EUN CGC

RECORDING - DATE

JUNE •73

RECORDING - DATE

JULY •73

RECORDING - DATE

AUG •73

RECORDING - DATE

SEPT •73

RECORDING - DATE

OCT •73

RECORDING - DATE

NOV •73

RECORDING - DATE

DEC •73

RECORDING - DATE

JAN •74

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RECORDING - DATE

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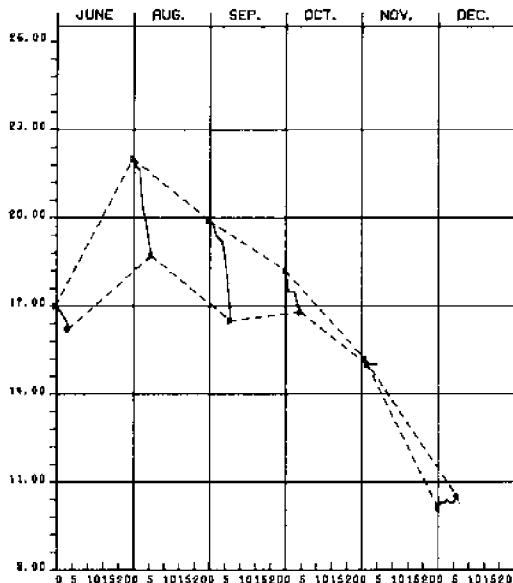
ALLAN HANCOCK FOUNDATION

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PHYSICAL DATA REPORT

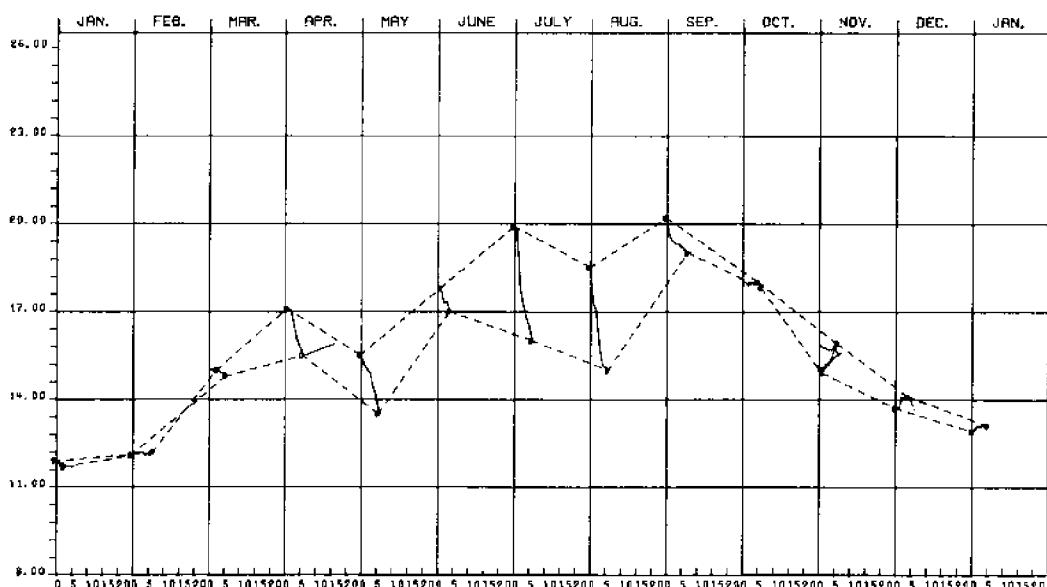
RECORDING DATE	LATITUDE N	STATION: A3	K2 BUCY	DEPTH -		TEMPERATURE C	SALINITY PPM	DIS_OXG PER	PH	E_LION_CONC
				METERS	FEET					
NOV 1973	03:43:28 N	00	0.0	16.7	62.1	33.2	0	7.80	8.14	
		01	3.3	16.6	61.9	33.3	0	7.60	8.16	
		02	6.6	16.5	61.7	33.3	6	7.40	8.16	
		03	9.8	16.4	61.5	33.3	0	7.60	8.16	
		04	13.1	16.2	61.2	33.3	0	6.10	8.16	
		05	16.4	16.1	61.0	33.4	0	7.30	8.15	
		06	19.7	16.0	60.8	33.35	0	7.20	8.15	

1971 TEMPERATURE DATA  
 STATION 04 ENTRANCE TO FISH HARBOR (71-72)  
 DATA: DEPTH METERS / TEMP CELSIUS

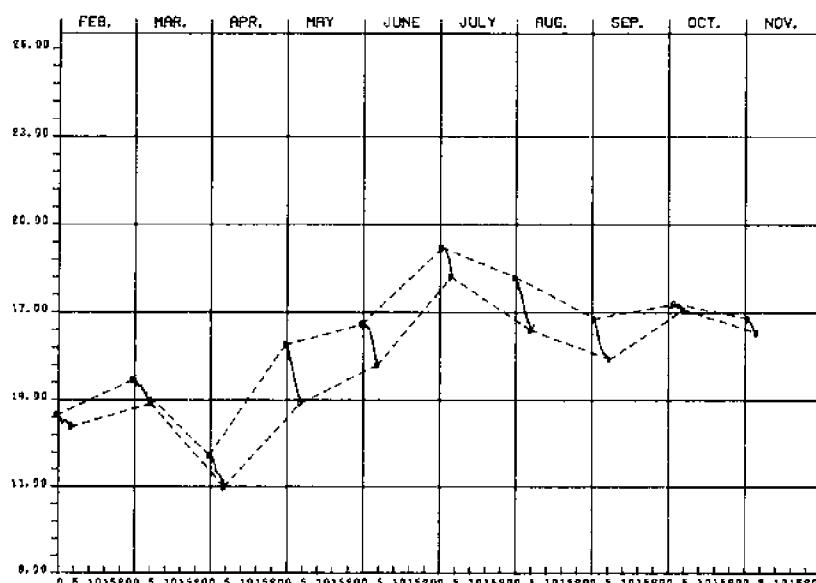


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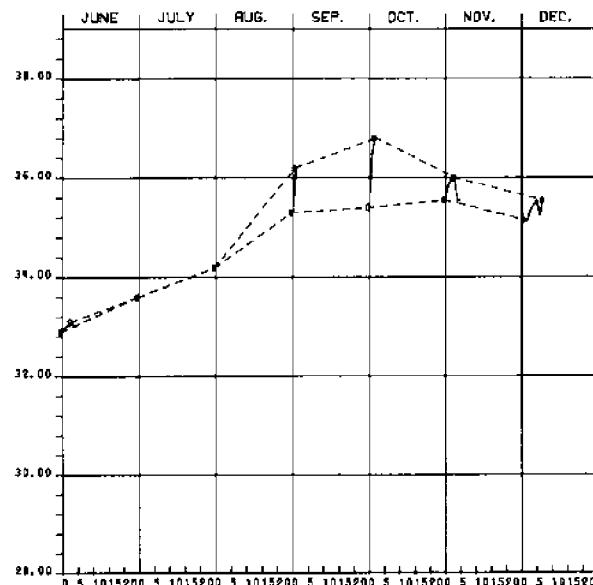
1972 TEMPERATURE DATA  
 STATION 04 ENTRANCE TO FISH HARBOR (71-72)  
 DATA: DEPTH METERS / TEMP CELSIUS



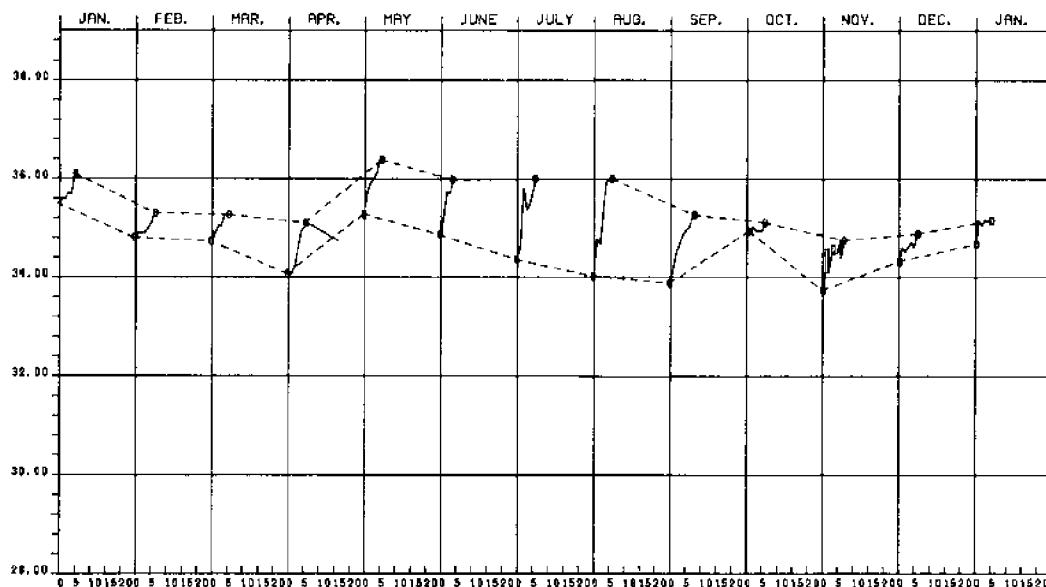
1973 TEMPERATURE DATA  
 STATION 04 ENTRANCE TO FISH HARBOR  
 DATA: DEPTH METERS / TEMP CELSIUS



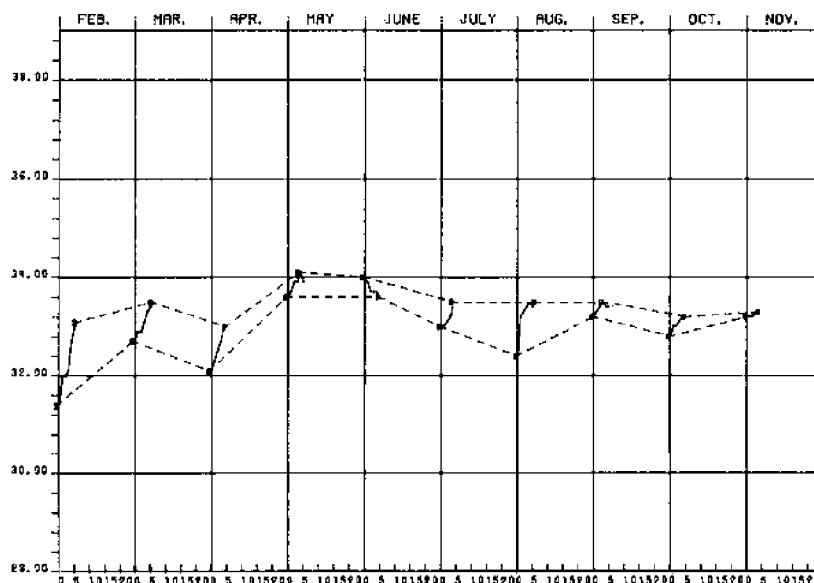
1971 SALINITY DATA  
 STATION: 04 ENTRANCE TO FISH HARBOR (71-72)  
 DATA: DEPTH METERS / SAL PPT



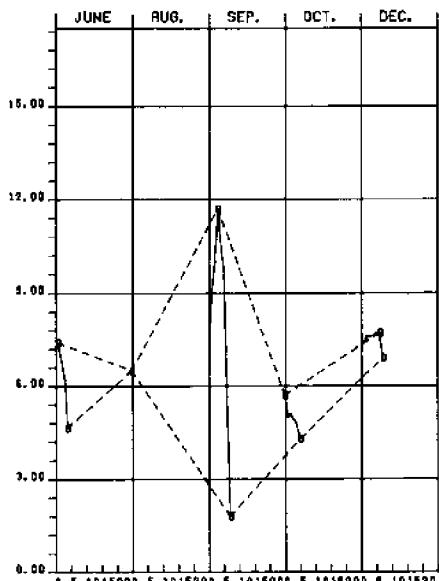
1972 SALINITY DATA  
 STATION: 04 ENTRANCE TO FISH HARBOR (71-72)  
 DATA: DEPTH METERS / SAL PPT



1973 SALINITY DATA  
 STATION: 04 ENTRANCE TO FISH HARBOR  
 DATA: DEPTH METERS / SAL PPT

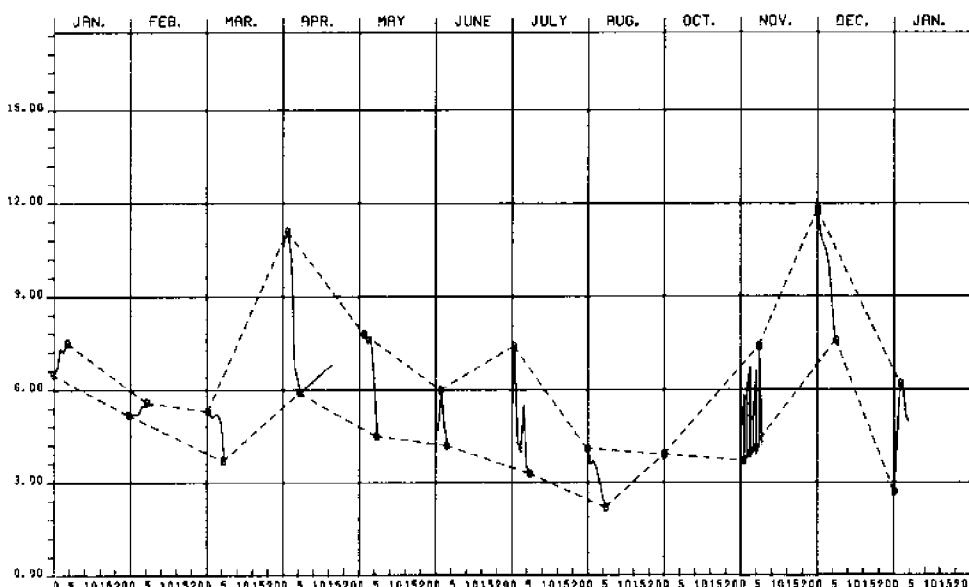


1971 DISSOLVED OXYGEN  
STATION: 04 ENTRANCE TO FISH HARBOR (71-72)  
DATA: DEPTH METERS / DIS OX6 PPM

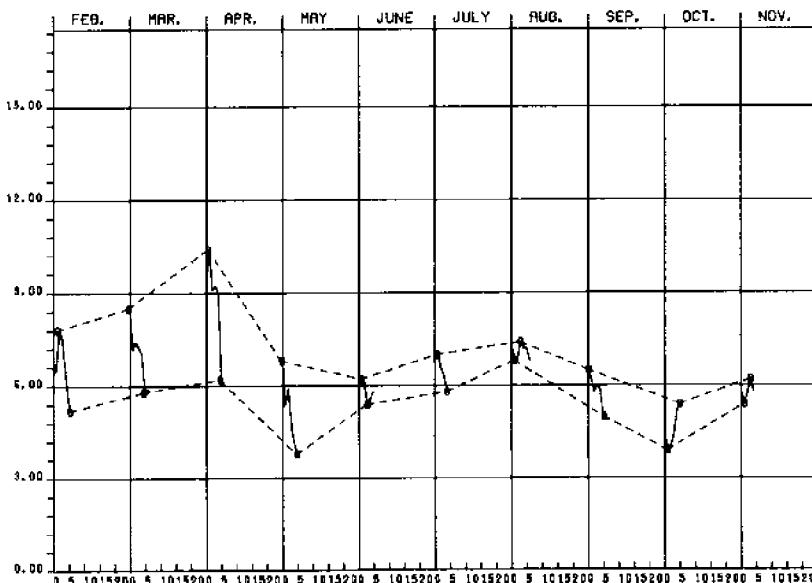


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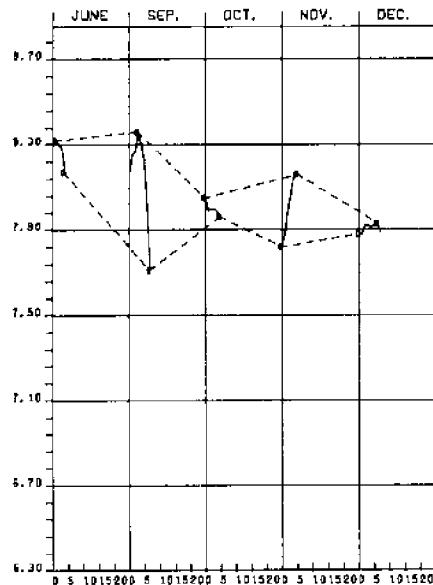
1972 DISSOLVED OXYGEN  
STATION: 04 ENTRANCE TO FISH HARBOR (71-72)  
DATA: DEPTH METERS / DIS OX6 PPM



1973 DISSOLVED OXYGEN  
STATION: 04 ENTRANCE TO FISH HARBOR  
DATA: DEPTH METERS / DIS OX6 PPM

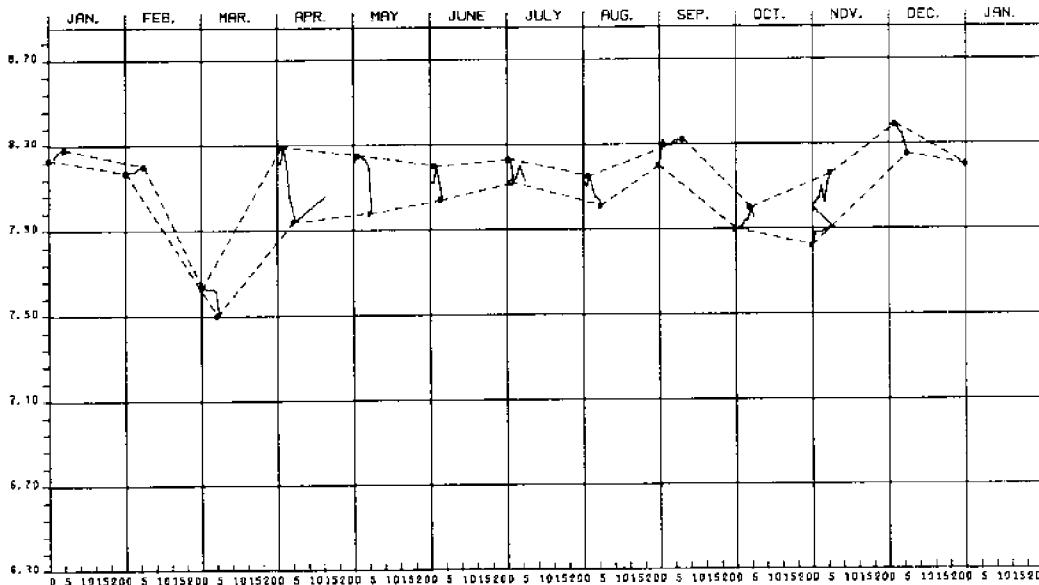


1971 PH DATA  
 STATION: 04 ENTRANCE TO FISH HARBOR (71-72)  
 DATA: DEPTH METERS / PH H ION CONC



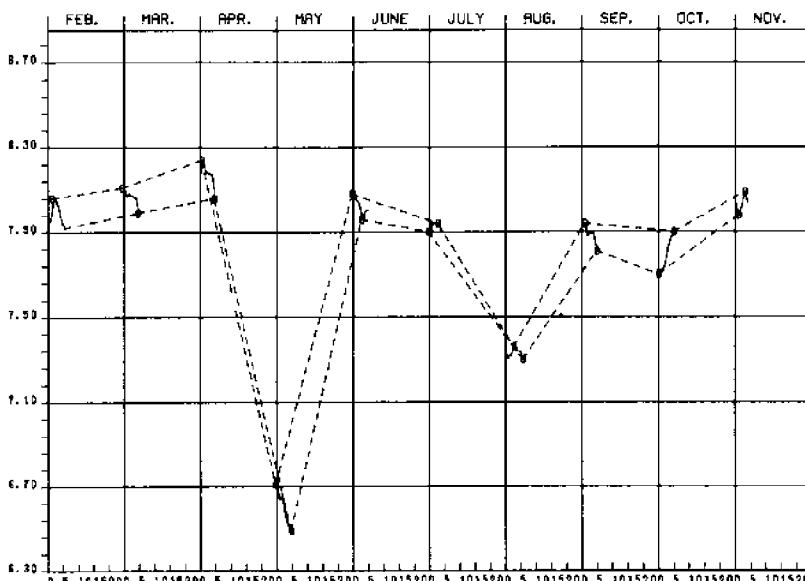
## 1972 PH DATA

STATION: 04 ENTRANCE TO FISH HARBOR (71-72)  
 DATA: DEPTH METERS / PH H ION CONC



## 1973 PH DATA

STATION: 04 ENTRANCE TO FISH HARBOR  
 DATA: DEPTH METERS / PH H ION CONC



## PHYSICAL DATA REPORT

STATION: 04 ENTRANCE TO FISH HARBOR (71-72)  
 LATITUDE 033°43'45" N LONGITUDE 116°15'50" W

STATION: 04 ENTRANCE TO FISH HARBOR (71-72)  
 LATITUDE 033°43'45" N LONGITUDE 116°15'50" W

RECORDING DATE	DEPTH - METERS FEET	TEMPERATURE C F	SALINITY	CIS CXG EPM	PH HIGH LOW	RECORDING DATE		DEPTH - METERS FEET	TEMPERATURE C	SALINITY	CIS CXG EPM	PH HIGH LOW
						DEC	71					
JUNE '71	0.0	6.0 17.0	32.90	7.20	8.32	0.0	0.0	10.1	30.2	35.33	7.30	7.88
	0.1	3.3 16.8	33.00	7.44	8.32	0.1	3.3	10.3	30.5	35.14	7.40	7.88
	0.3	9.8 16.5	33.10	6.22	6.26	0.2	6.6	10.3	30.5	35.14	7.60	7.92
	0.4	13.1 16.2	33.00	4.65	8.17	0.3	9.8	10.4	30.4	35.35	7.60	7.92
	0.5	0.0	32.60			0.4	13.1	10.3	30.5	35.44	7.60	7.91
	0.6	0.0	32.60			0.5	16.4	10.3	30.5	35.54	7.70	7.92
AUG '71	0.0	0.0 22.0	71.6	34.18	6.50	0.6	19.7	10.5	50.9	35.25	7.70	7.93
	0.1	3.3 21.7	71.1			0.7	23.0	10.3	50.5	35.54	c.90	7.89
	0.2	6.6 21.6	70.9									
	0.3	9.8 20.3	68.5									
	0.4	13.1 19.9	67.8									
	0.5	16.4 19.1	66.4									
SEPT '71	0.0	0.0 23.0	71.7	34.18	6.50	0.6	19.7	10.5	50.9	35.25	7.70	7.93
	0.1	3.3 21.7	71.1			0.7	23.0	10.3	50.5	35.54	c.90	7.89
	0.2	6.6 21.6	70.9									
	0.3	9.8 20.3	68.5									
	0.4	13.1 19.9	67.8									
	0.5	16.4 19.1	66.4									
OCT '71	0.0	0.0 23.0	71.7	34.18	6.50	0.6	19.7	10.5	50.9	35.25	7.70	7.93
	0.1	3.3 21.7	71.1			0.7	23.0	10.3	50.5	35.54	c.90	7.89
	0.2	6.6 21.6	70.9									
	0.3	9.8 20.3	68.5									
	0.4	13.1 19.9	67.8									
	0.5	16.4 19.1	66.4									
NOV '71	0.0	0.0 23.0	71.7	34.18	6.50	0.6	19.7	10.5	50.9	35.25	7.70	7.93
	0.1	3.3 21.7	71.1			0.7	23.0	10.3	50.5	35.54	c.90	7.89
	0.2	6.6 21.6	70.9									
	0.3	9.8 20.3	68.5									
	0.4	13.1 19.9	67.8									
	0.5	16.4 19.1	66.4									

## PHYSICAL DATA REPORT

## ALLAN HANCOCK FOUNDATION

## PHYSICAL DATA REPORT

STATION: 04 ENTRANCE TO FISH HARBOUR (71°-72)		LATITUDE 033°43'49 N		LONGITUDE 116°15'50 W	
RECORDING DATE	DEPTH - FEET	TEMPERATURE	SALINITY	DIS CXT PPT	PH
JAN *72	00 0.0	11.9	53.4	35.5C	6.50
	01 3.3	11.8	53.0	35.6C	6.70
	02 6.6	11.8	53.2	35.6C	6.25
	03 9.8	11.7	53.1	35.7C	7.20
	04 13.1	11.7	53.1	35.7C	7.40
	05 16.4	11.7	53.1	35.1C	6.28
	06 19.7	11.7	53.1	36.1C	7.30
FEB *72	00 0.0	12.1	53.8	34.8C	6.20
	01 3.3	12.2	54.0	34.9C	6.16
	02 6.6	12.2	54.0	34.9C	6.20
	03 9.8	12.2	54.0	34.9C	6.16
	04 13.1	12.1	53.8	34.9C	6.18
	05 16.4	12.1	53.8	35.0C	6.50
	06 19.7	12.2	54.0	35.1C	5.50
	07 23.0	12.2	54.0	35.3C	6.20
MAR *72	00 0.0	15.0	56.0	34.73	6.30
	01 3.3	15.0	59.0	34.51	6.30
	02 6.6	15.0	59.0	35.05	6.10
	03 9.8	15.0	59.0	35.05	6.20
	04 13.1	14.9	58.8	35.27	6.20
	05 16.4	14.9	58.8	35.27	6.90
	06 19.7	14.6	58.6	35.27	7.70
APR *72	00 0.0	17.1	62.8	34.07	8.24
	01 3.3	17.1	62.8	34.07	10.90
	02 6.6	17.0	62.6	34.24	11.10
	03 9.8	16.5	61.5	34.58	10.20
	04 13.1	16.6	60.8	34.93	6.80
	05 19.7	15.5	59.9	35.10	5.90
	16 52.5	15.9	60.6	34.75	6.06
MAY *72	00 0.0	16.3	59.4	35.28	7.70
	01 3.2	15.2	55.4	35.73	7.60
	02 6.6	15.0	55.0	35.91	7.60
	03 9.8	14.9	54.9	36.00	7.50
	04 13.1	14.4	57.9	36.10	7.70
	05 16.4	14.1	57.4	36.36	6.40
	06 19.7	13.5	54.3	36.36	4.50

## PHYSICAL DATA REPORT

STATION: 04 ENTRANCE TO FISH HARBOUR (71°-72)		LATITUDE 033°43'49 N		LONGITUDE 116°15'50 W	
RECORDING DATE	DEPTH - METERS	TEMPERATURE	PH	DIS CXT PPT	PHION_SUN
JUNE *72	00 0.0	17.6	64.0	34.86	6.00
	01 3.3	17.8	64.0	35.26	6.70
	02 6.6	17.3	63.1	35.72	6.00
	03 9.8	17.3	63.1	35.72	4.80
	04 13.1	17.0	62.6	35.92	4.20
JULY *72	00 0.0	19.9	67.8	54.36	6.22
	01 3.3	19.7	67.5	34.61	7.40
	02 6.6	17.9	64.2	35.80	4.30
	03 9.8	17.2	63.0	35.37	4.00
	04 13.1	16.8	62.2	35.46	5.50
	05 16.4	16.5	61.7	35.73	3.50
	06 19.7	16.0	60.8	36.00	3.30
AUG *72	00 0.0	1d.5	65.3	34.02	4.10
	01 3.3	17.3	63.1	34.71	3.60
	02 6.6	17.0	62.6	34.68	3.70
	03 9.8	15.9	60.6	35.37	3.45
	04 13.1	15.2	59.4	35.91	3.00
	05 16.4	15.1	55.2	36.00	2.55
	06 19.7	15.0	55.0	36.00	2.00
SEPT *72	00 0.0	20.2	68.4	33.86	8.20
	01 3.3	19.8	67.3	34.20	6.32
	02 6.6	19.4	66.9	34.53	6.29
	03 9.8	19.3	66.7	34.65	6.30
	04 13.1	19.3	66.7	34.86	6.30
	05 16.4	19.2	66.6	34.94	6.32
	06 19.7	19.1	66.4	35.02	8.32
	07 23.0	19.0	66.2	35.19	8.32
	08 26.2	19.0	66.2	35.27	8.32
OCT *72	00 0.0	18.0	64.4	35.03	7.90
	01 3.3	18.0	64.4	34.94	7.90
	02 6.6	17.9	64.2	35.03	7.91
	03 9.8	18.0	64.4	34.94	7.94
	04 13.1	18.0	64.4	34.94	7.94
	05 16.4	18.0	64.4	34.94	6.00
	06 19.7	17.8	64.0	35.11	7.94

PHYSICAL DATA SECTION

STATION: 04 ENTRANCE TO FISH HARBOR (71-72)  
 LATITUDE: 033°43'45" N  
 LONGITUDE: 118°15'50" W

RECORDING DATE	DEPTH METERS	EELT	TEMPERATURE C.	SALINITY PPT	CIS OXY PPM	PH LION CONC		
NOV	72	00	0.0	15.9	60.6	34.46	3.90	7.02
	00	0.0	15.9	59.0	33.74	4.70	6.02	6.02
01	3.3	14.9	58.8	34.05	5.20	8.02	7.88	7.88
01	3.3	15.8	60.4	34.57	3.70	7.80	7.86	7.86
02	6.6	15.6	60.4	34.57	7.80	7.80	8.04	8.04
02	6.6	15.1	59.2	34.10	6.10	8.10		
03	9.8	15.2	59.4	34.47	6.70			
03	9.8	15.7	60.3	34.66	3.80	7.88		
04	13.1	15.7	60.3	34.66	4.00	7.85		
04	13.1	15.4	59.7	34.47	6.20	8.02		
05	16.4	15.7	60.3	34.50	6.60	8.12		
05	16.4	15.8	60.4	34.57	3.50	7.85		
06	19.7	15.6	60.1	34.76	4.20	7.91		
06	19.7	15.9	60.6	34.39	7.40	8.16		
07	23.0	15.6	60.1	34.75	4.20	7.90		
DEC	72	00	0.0	13.7	56.7	34.32	11.80	8.39
	01	3.3	13.7	56.7	34.60	11.00	6.39	6.39
02	6.6	14.1	57.4	36.52	10.70	8.39		
03	9.8	14.0	57.2	34.61	10.50	8.37		
04	13.1	14.1	57.4	34.71	9.90	8.35		
05	16.4	14.0	57.2	34.61	8.80	8.30		
06	19.7	13.7	56.7	34.86	7.60	8.25		
JAN	73	00	0.0	12.9	55.2	34.67	2.70	
	01	3.3	13.0	55.4	35.15	4.70		
02	6.6	13.1	55.6	35.05	6.20			
03	9.8	13.1	56.6	35.16	6.10			
04	13.1	13.1	55.6	35.15	5.10			
05	16.4	13.1	55.6	35.15	4.90			

PHYSICAL DATA REPORT

STATION: A4 ENTRANCE TO FISH HABITAT  
 LATITUDE 03° 43' 45" N LONGITUDE 116° 15' 50" E

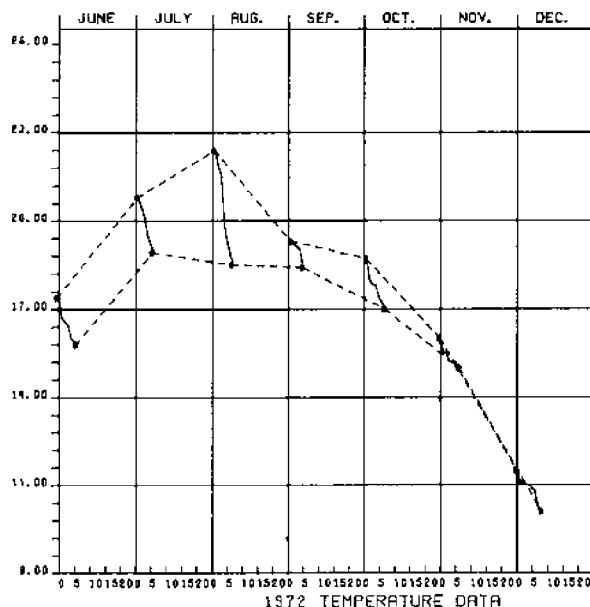
RECORDING	-	DEPTH -	TEMPERATURE	SALINITY	DIS OXY	PH
DATE	-	METERS - FEET	C - F	PPI	BEN	HION-COC
FEH	73	.00	0+0	13+5	56+3	7+94
		.01	3+3	13+2	55+8	7+96
		.02	6+6	13+3	55+9	8+06
		.03	9+8	13+2	55+8	8+04
		.04	13+1	13+2	55+6	7+98
		.05	16+4	13+1	55+6	7+94
		.06	19+7	13+1	55+6	7+92
MAR	73	.00	0+0	14+7	58+5	8+40
		.01	3+3	14+5	58+1	8+50
		.02	6+6	14+5	58+1	7+20
		.03	9+8	14+3	57+7	7+40
		.04	13+1	14+1	57+4	7+20
		.05	16+4	14+0	57+2	8+07
		.06	19+7	13+9	57+0	8+06
APR	73	.00	0+0	12+1	53+8	8+30
		.01	3+3	11+9	53+4	8+24
		.02	6+6	11+5	52+7	d+18
		.03	9+8	11+4	52+5	8+16
		.04	13+1	11+2	52+2	8+17
		.05	16+4	11+0	51+8	8+06
MAY	73	.00	0+0	15+2	60+6	8+17
		.01	3+3	15+4	59+7	8+24
		.02	6+6	15+0	58+0	8+10
		.03	9+8	14+5	58+1	5+90
		.04	13+1	14+1	57+4	5+80
		.05	16+4	13+9	57+0	5+80
JUNE	73	.00	0+0	16+6	61+9	6+80
		.01	3+3	16+5	61+7	6+80
		.02	6+6	16+4	61+5	6+80
		.03	9+8	16+0	60+8	6+80
		.04	13+1	15+4	59+7	6+80
		.05	16+4	15+2	59+4	6+80
JULY	73	.00	0+0	19+2	66+6	6+80
		.01	3+3	19+2	66+0	7+00
		.02	6+6	19+1	65+4	7+00
		.03	9+8	18+8	65+8	7+94
		.04	13+1	18+2	64+6	7+94

## ALLAN HANCOCK FOUNDATION

## PHYSICAL DATA REPORT

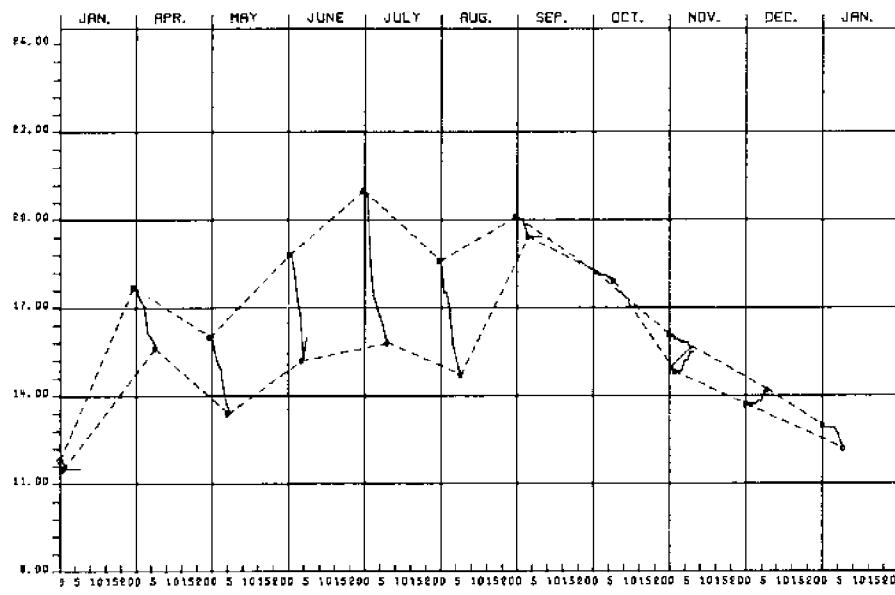
		STATION: A4 ENTRANCE TO FISH HARBOUR		LATITUDE 33°43'45" N		LONGITUDE 118°15'50" W			
RECORDING DATE	MILES FROM MILE	DEPTH FEET	TEMPERATURE C.	SALINITY PPM	DIS OXY PPM	PH	LION CONE		
AUG '73	00	0.0	18.2	64.6	32.40	7.30	7.34		
	01	3.3	17.8	64.0	33.20	6.80	7.31		
	02	6.6	17.5	63.5	33.30	6.80	7.32		
	03	9.8	17.0	62.6	33.40	7.40	7.36		
	04	13.1	16.7	62.1	33.50	7.20	7.34		
	05	16.4	16.4	61.5	33.40	7.20	7.34		
	06	19.7	16.6	61.9	33.50	6.80	7.30		
SEPT '73	00	0.0	16.7	62.1	33.20	6.50	7.94		
	01	3.3	16.8	62.2	33.30	6.20	7.94		
	02	6.6	16.2	61.2	33.40	6.80	7.88		
	03	9.8	15.8	60.4	33.50	6.00	7.90		
	04	13.1	15.6	60.1	33.40	5.80	7.85		
	05	16.4	15.5	59.9	33.40	5.00	7.81		
	06	19.7	15.4	59.7	33.40	5.60	7.81		
OCT '73	00	0.0	17.2	63.0	32.80	4.40	7.70		
	01	3.3	17.2	63.0	33.00	3.50	7.72		
	02	6.6	17.3	62.1	33.00	4.00	7.74		
	03	9.8	17.2	63.0	33.10	4.40	7.82		
	04	13.1	17.2	63.0	33.20	5.20	7.87		
	05	16.4	17.1	62.8	33.20	6.40	7.90		
	06	19.7	17.1	62.8	33.20	6.40	7.90		
NOV '73	00	0.0	16.6	61.9	33.20	5.80	8.04		
	01	3.3	16.8	62.2	33.20	5.40	7.98		
	02	6.6	16.6	61.9	33.20	5.70	8.02		
	03	9.8	16.4	61.5	33.30	6.20	8.09		
	04	13.1	16.3	61.3	33.30	5.80	8.04		

1971 TEMPERATURE DATA  
 STATION: 05 OUTER FISH HARBOR (71-72)  
 DATA: DEPTH METERS / TEMP CELSIUS



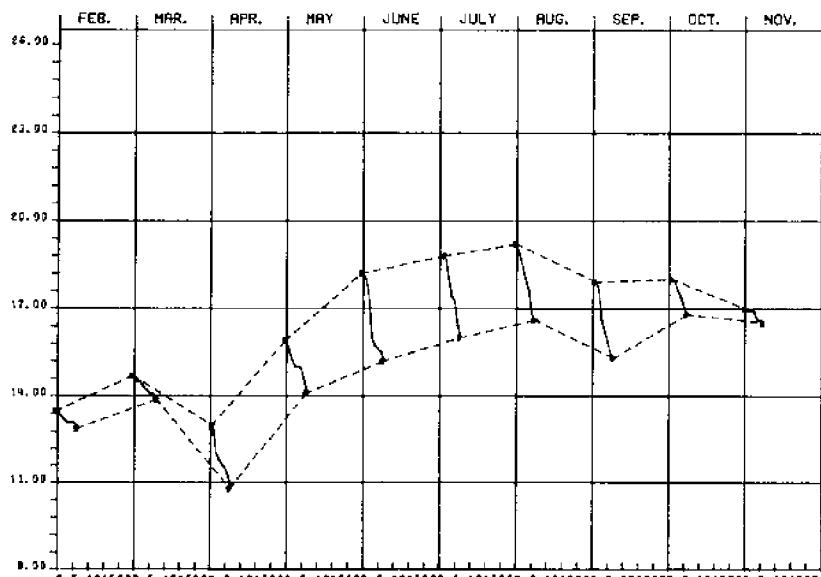
45

STATION: 05 OUTER FISH HARBOR (71-72)  
 DATA: DEPTH METERS / TEMP CELSIUS

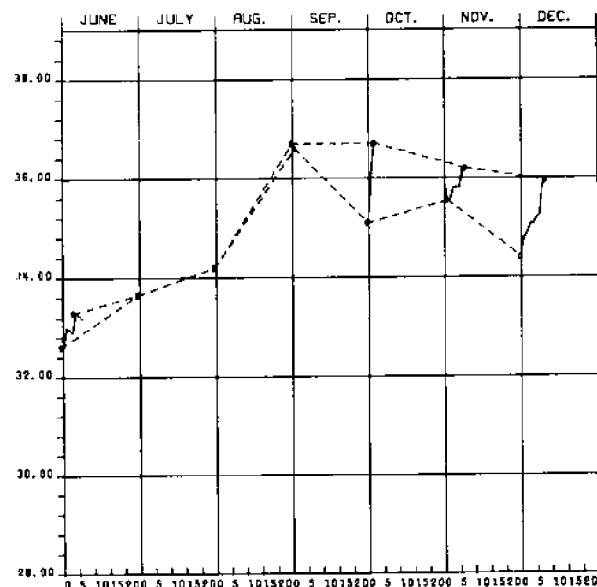


1973 TEMPERATURE DATA

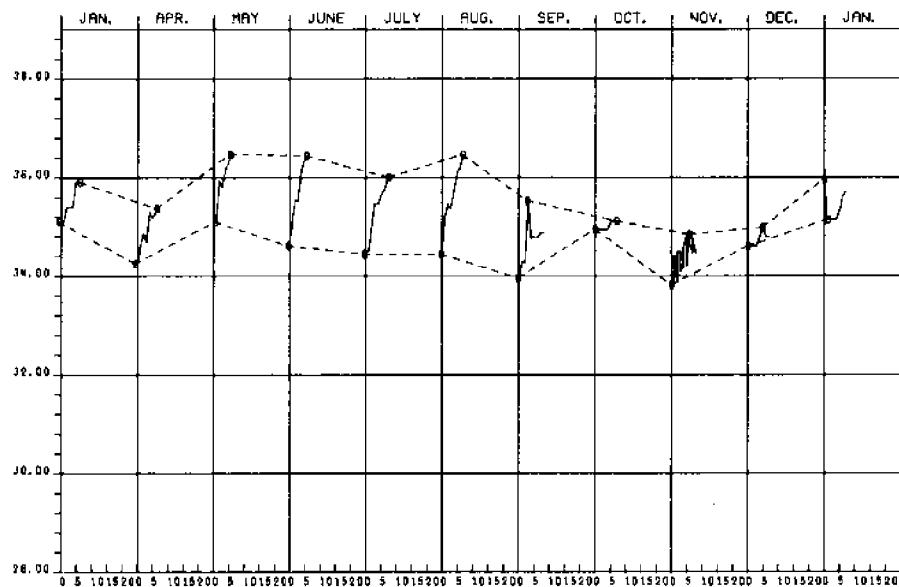
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 DATA: DEPTH METERS / TEMP CELSIUS



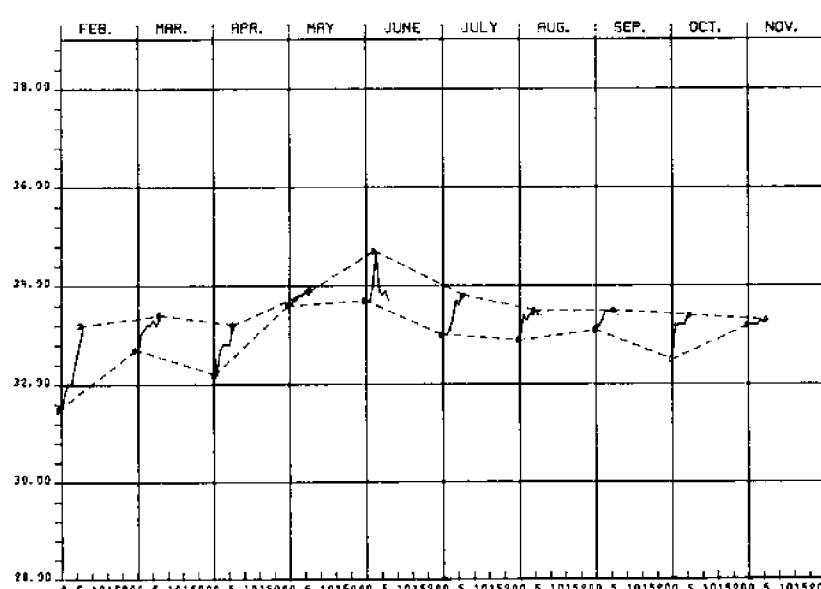
1971 SALINITY DATA  
 STATION: 05 OUTER FISH HARBOR (71-72)  
 DATA: DEPTH METERS / SAL PPT



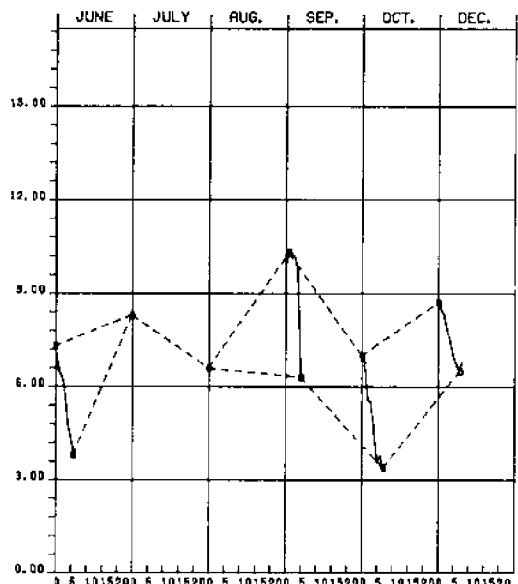
1972 SALINITY DATA  
 STATION: 05 OUTER FISH HARBOR (71-72)  
 DATA: DEPTH METERS / SAL PPT



1973 SALINITY DATA  
 STATION: 05 OUTER FISH HARBOR  
 DATA: DEPTH METERS / SAL PPT

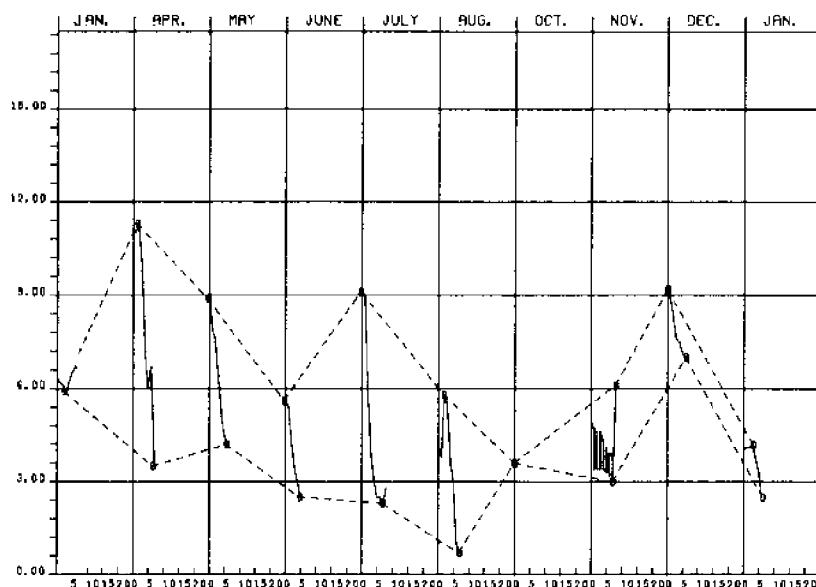


1971 DISSOLVED OXYGEN  
STATION# 05 OUTER FISH HARBOR (71-72)  
DATA: DEPTH METERS / DIS OXG PPM

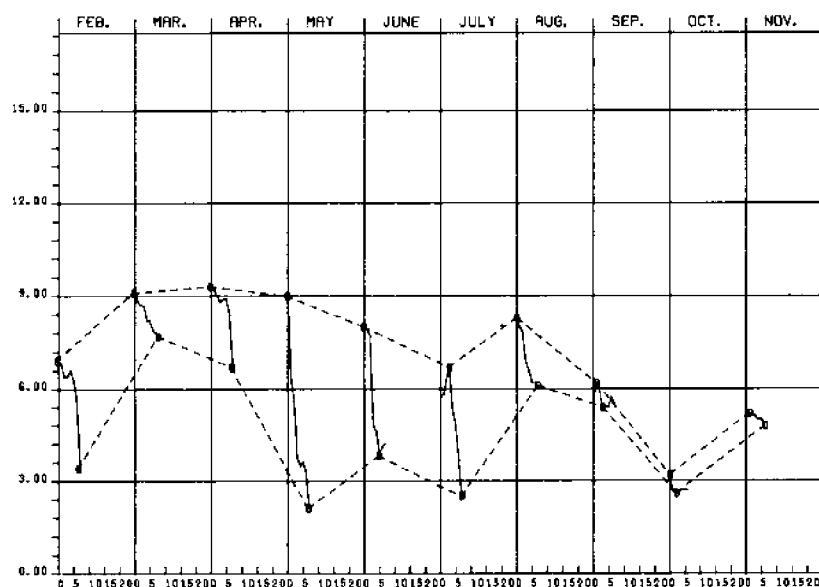


47

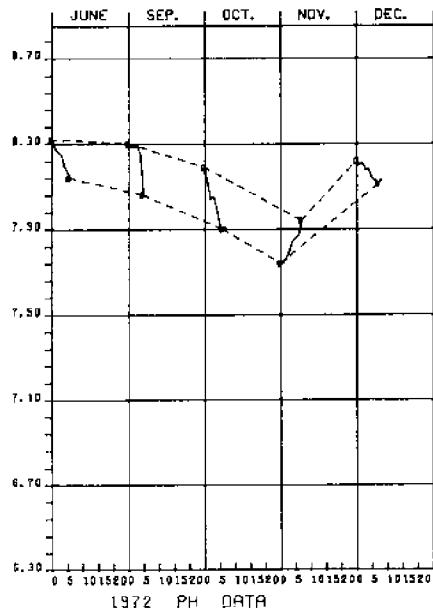
1972 DISSOLVED OXYGEN  
STATION# 05 OUTER FISH HARBOR (71-72)  
DATA: DEPTH METERS / DIS OXG PPM



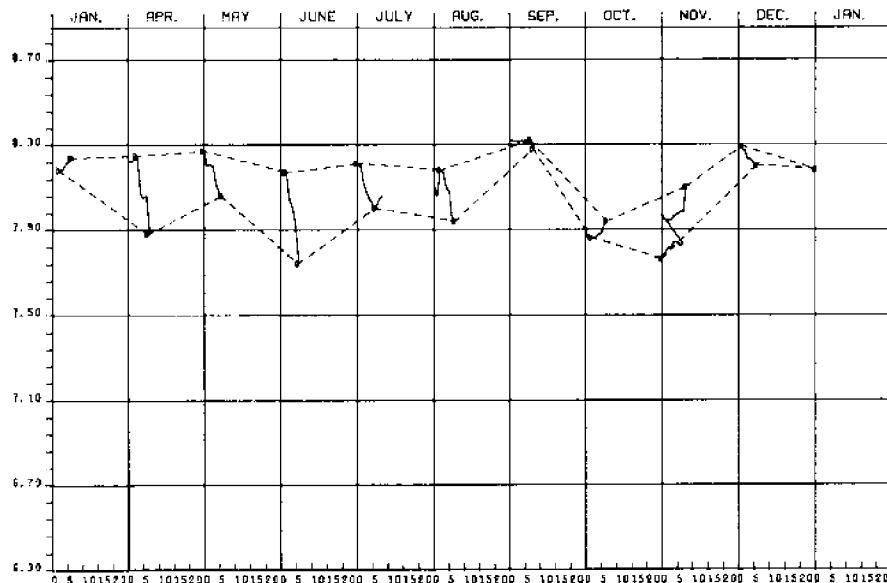
1973 DISSOLVED OXYGEN  
STATION# 05 OUTER FISH HARBOR  
DATA: DEPTH METERS / DIS OXG PPM



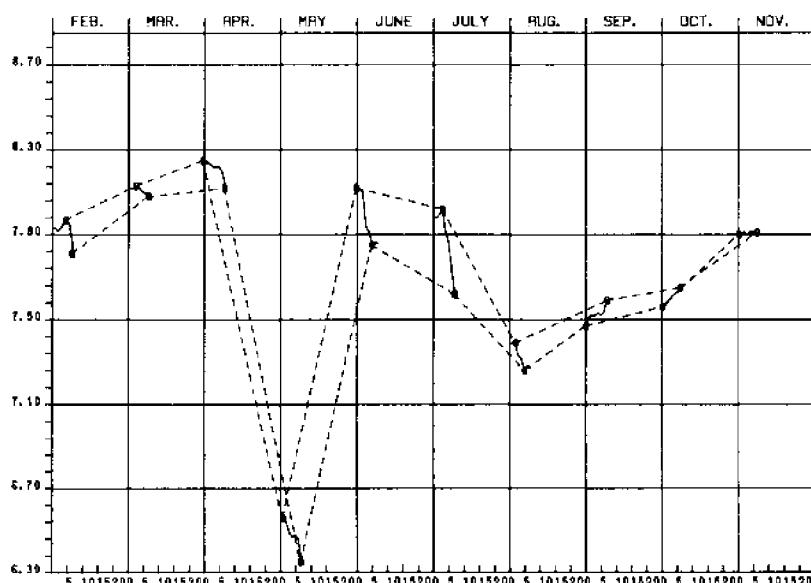
1971 PH DATA  
 STATION: 05 OUTER FISH HARBOR (71-72)  
 DATA: DEPTH METERS / PH H ION CONC



STATION: 05 OUTER FISH HARBOR (71-72)  
 DATA: DEPTH METERS / PH H ION CONC



1973 PH DATA  
 STATION: 05 OUTER FISH HARBOR  
 DATA: DEPTH METERS / PH H ION CONC



PHYSICAL DATA REPORT

RECORDING DATE	- DEPTH - METERS	TEMPERATURE °C	SALINITY PPT	DIS DKG PPM	pH ION-SPEC	RECORDING DATE	- DEPTH - METERS	TEMPERATURE °C	SALINITY PPT	FH ION-SPEC
JUNE *71	0.0	20.0	32.60	7.30	8.32	NOV *71	0.0	16.0	60.8	36.00
0.1	3.0	17.4	63.3	6.00	8.28		0.1	15.5	59.9	35.55
0.3	6.7	62.1	33.00				0.2	16.6	56.9	35.55
0.4	9.8	16.4	61.5	32.90	8.25		0.3	15.8	55.4	35.55
0.6	13.1	16.0	60.8	33.30	8.20		0.4	15.2	55.4	36.82
0.6	19.7	15.6	60.4	33.20	8.14		0.5	13.1	55.4	35.82
							0.5	16.4	55.4	35.82
JULY *71	0.0	0.0	20.4	65.4	8.30		0.6	19.7	55.0	35.82
0.1	3.3	20.6	65.4				0.7	23.0	15.0	36.19
0.4	9.8	20.1	65.2				0.7	23.0	15.0	36.19
0.6	13.1	19.5	67.1				0.8	23.0	15.0	36.19
0.6	19.7	18.9	66.0				0.9	23.0	15.0	36.19
AUG *71	0.0	0.0	22.3	72.1	8.60		0.0	11.5	52.7	34.41
0.1	3.3	22.4	72.3	34.20			0.1	3.3	11.1	34.78
0.2	6.6	21.9	71.4				0.2	6.6	11.1	34.88
0.3	9.8	21.5	70.7				0.3	9.8	11.0	34.88
0.4	13.1	20.0	68.0				0.4	13.1	11.0	35.07
0.5	16.4	19.3	66.7				0.5	16.4	10.9	35.07
0.6	19.7	18.8	65.8				0.6	19.7	10.8	35.17
0.7	23.0	18.5	65.3				0.7	23.0	10.2	35.26
SEP *71	0.0	0.0	19.2	66.0	8.60		0.0	10.1	50.4	35.84
0.1	3.3	19.3	66.7	36.60			0.1	10.1	50.4	35.84
0.2	6.6	19.2	66.6				0.2	26.0	10.1	35.94
C3	9.8	19.1	66.4				0.3	26.0	10.1	35.94
0.4	13.1	19.0	66.2				0.4	26.0	10.1	35.94
0.5	16.4	18.4	65.1				0.5	26.0	10.1	35.94
OCT *71	0.0	0.0	18.6	65.5	8.60		0.0	6.30	56.0	35.94
0.1	3.3	18.7	65.7	35.10			0.1	6.30	56.0	35.94
0.2	6.6	18.0	64.4	36.70			0.2	6.30	56.0	35.94
0.3	9.8	17.8	64.0				0.3	6.30	56.0	35.94
0.4	13.1	17.6	64.0				0.4	6.30	56.0	35.94
0.5	16.4	17.4	63.3				0.5	6.30	56.0	35.94
0.6	19.7	17.2	63.0				0.6	6.30	56.0	35.94
0.7	23.0	17.0	62.6				0.7	6.30	56.0	35.94

PHYSICAL DATA REPORT

RECORDING DATE	- DEPTH - METERS	TEMPERATURE °C	SALINITY PPT	DIS DKG PPM	pH ION-SPEC	RECORDING DATE	- DEPTH - METERS	TEMPERATURE °C	SALINITY PPT	FH ION-SPEC
JUNE *71	0.0	20.0	32.60	7.30	8.32	NOV *71	0.0	16.0	60.8	36.00
0.1	3.0	16.7	62.1	6.00	8.28		0.1	15.5	59.9	35.55
0.3	9.8	16.4	61.5	32.90	8.25		0.2	16.6	56.9	35.55
0.4	13.1	16.0	60.8	33.30	8.20		0.3	15.8	55.4	36.82
0.6	19.7	15.6	60.4	33.20	8.14		0.4	13.1	55.4	35.82
							0.5	16.4	55.4	35.82
JULY *71	0.0	0.0	20.4	65.4	8.30		0.6	19.7	55.0	35.82
0.1	3.3	20.6	65.4				0.7	23.0	15.0	36.19
0.4	9.8	20.1	65.2				0.7	23.0	15.0	36.19
0.6	13.1	19.5	67.1				0.8	23.0	15.0	36.19
0.6	19.7	18.9	66.0				0.9	23.0	15.0	36.19
AUG *71	0.0	0.0	22.3	72.1	8.60		0.0	11.5	52.7	34.41
0.1	3.3	22.4	72.3	34.20			0.1	3.3	11.1	34.78
0.2	6.6	21.9	71.4				0.2	6.6	11.1	34.88
0.3	9.8	21.5	70.7				0.3	9.8	11.0	35.07
0.4	13.1	20.0	68.0				0.4	13.1	10.9	35.07
0.5	16.4	19.3	66.7				0.5	16.4	10.8	35.17
0.6	19.7	18.8	65.8				0.6	19.7	10.8	35.26
0.7	23.0	18.5	65.3				0.7	23.0	10.2	35.84
SEP *71	0.0	0.0	19.2	66.0	8.60		0.0	10.1	50.4	35.84
0.1	3.3	19.3	66.7	36.60			0.1	10.1	50.4	35.84
0.2	6.6	19.2	66.6				0.2	26.0	10.1	35.94
C3	9.8	19.1	66.4				0.3	26.0	10.1	35.94
0.4	13.1	19.0	66.2				0.4	26.0	10.1	35.94
0.5	16.4	18.4	65.1				0.5	26.0	10.1	35.94
OCT *71	0.0	0.0	18.6	65.5	8.60		0.0	6.30	56.0	35.94
0.1	3.3	18.7	65.7	35.10			0.1	6.30	56.0	35.94
0.2	6.6	18.0	64.4	36.70			0.2	6.30	56.0	35.94
0.3	9.8	17.8	64.0				0.3	6.30	56.0	35.94
0.4	13.1	17.6	64.0				0.4	6.30	56.0	35.94
0.5	16.4	17.4	63.3				0.5	6.30	56.0	35.94
0.6	19.7	17.2	63.0				0.6	6.30	56.0	35.94
0.7	23.0	17.0	62.6				0.7	6.30	56.0	35.94

PHYSICAL DATA REPORT

RECORDING DATE	- DEPTH - METERS	TEMPERATURE °C	SALINITY PPT	DIS DKG PPM	pH ION-SPEC	RECORDING DATE	- DEPTH - METERS	TEMPERATURE °C	SALINITY PPT	FH ION-SPEC
JUNE *71	0.0	20.0	32.60	7.30	8.32	NOV *71	0.0	16.0	60.8	36.00
0.1	3.0	16.7	62.1	6.00	8.28		0.1	15.5	59.9	35.55
0.3	9.8	16.4	61.5	32.90	8.25		0.2	16.6	56.9	35.55
0.4	13.1	16.0	60.8	33.30	8.20		0.3	15.8	55.4	36.82
0.6	19.7	15.6	60.4	33.20	8.14		0.4	13.1	55.4	35.82
							0.5	16.4	55.4	35.82
JULY *71	0.0	0.0	20.4	65.4	8.30		0.6	19.7	55.0	35.82
0.1	3.3	20.6	65.4				0.7	23.0	15.0	36.19
0.4	9.8	20.1	65.2				0.7	23.0	15.0	36.19
0.6	13.1	19.5	67.1				0.8	23.0	15.0	36.19
0.6	19.7	18.9	66.0				0.9	23.0	15.0	36.19
AUG *71	0.0	0.0	22.3	72.1	8.60		0.0	11.5	52.7	34.41
0.1	3.3	22.4	72.3	34.20			0.1	3.3	11.1	34.78
0.2	6.6	21.9	71.4				0.2	6.6	11.1	34.88
0.3	9.8	21.5	70.7				0.3	9.8	10.9	35.07
0.4	13.1	20.0	68.0				0.4	13.1	10.9	35.07
0.5	16.4	19.3	66.7				0.5	16.4	10.8	35.17
0.6	19.7	18.8	65.8				0.6	19.7	10.8	35.26
0.7	23.0	18.5	65.3				0.7	23.0	10.2	35.84
SEP *71	0.0	0.0	19.2	66.0	8.60		0.0	10.1	50.4	35.84
0.1	3.3	19.3	66.7	36.60			0.1	10.1	50.4	35.84
0.2	6.6	19.2	66.6				0.2	26.0	10.1	35.94
C3	9.8	19.1	66.4				0.3	26.0	10.1	35.94
0.4	13.1	19.0	66.2				0.4	26.0	10.1	35.94
0.5	16.4	18.4	65.1				0.5	26.0	10.1	35.94
OCT *71	0.0	0.0	18.6	65.5	8.60		0.0	6.30	56.0	35.94
0.1	3.3	18.7	65.7	35.10			0.1	6.30	56.0	35.94
0.2	6.6	18.0	64.4	36.70			0.2	6.30	56.0	35.94
0.3	9.8	17.8	64.0				0.3	6.30	56.0	35.94
0.4	13.1	17.6	64.0				0.4	6.30	56.0	35.94
0.5	16.4	17.4	63.3				0.5	6.30	56.0	35.94
0.6	19.7	17.2	63.0				0.6	6.30	56.0	35.94
0.7	23.0	17.0	62.6				0.7	6.30	56.0	35.94

PHYSICAL DATA REPORT

RECORDING DATE	- DEPTH - METERS	TEMPERATURE °C	SALINITY PPT	DIS DKG PPM	pH ION-SPEC	RECORDING DATE	- DEPTH - METERS	TEMPERATURE °C	SALINITY PPT	FH ION-SPEC
JUNE *71	0.0	20.0	32.60	7.30	8.32	NOV *71	0.0	16.0	60.8	36.00
0.1	3.0	16.7	62.1	6.00	8.28		0.1	15.5	59.9	35.55
0.3	9.8	16.4	61.5	32.90	8.25		0.2	16.6	56.9	35.55
0.4	13.1	16.0	60.8	33.30	8.20		0.3	15.8	55.4	36.82

## ALLAN HANCOCK FOUNDATION

## PHYSICAL DATA REPORT

STATION: 05 OUTER FISH HARBOR (71-72) LATITUDE 033°43'57" N LONGITUDE 118:15:56 W

RECORDING DATE	- DEPTH - METERS FEET	TEMPERATURE C F	SALINITY PPT	OXYGEN PPM	PH ION CONC
JAN '72	00 0	11.8	35.2	6.30	8.32
01	3.3	11.5	33.2	8.20	8.22
02	6.6	11.5	52.7	6.10	8.19
03	9.8	11.5	52.7	5.90	8.18
04	13.1	11.5	52.7	5.90	8.18
05	16.4	11.5	52.7	6.20	8.20
06	19.7	11.5	52.7	6.50	8.20
07	23.0	11.5	52.7	6.70	8.20
APR '72	00 0	17.7	63.9	34.25	11.10
01	3.3	17.4	63.3	34.60	11.00
02	6.6	17.2	63.0	34.84	11.30
03	9.8	17.0	62.6	34.68	9.90
04	13.1	16.1	61.0	35.28	7.20
05	16.4	16.0	60.8	35.16	6.05
06	19.7	15.8	60.4	35.26	6.70
07	23.0	15.6	60.1	35.37	3.50
MAY '72	00 0	16.0	60.8	35.20	8.90
01	3.3	15.5	59.9	35.10	7.90
02	6.6	15.1	59.2	35.91	7.60
03	9.8	14.9	56.8	35.82	6.40
04	13.1	14.1	57.4	36.16	5.10
05	16.4	13.7	56.7	36.29	4.50
06	19.7	13.4	56.1	36.47	4.20
JUNE '72	00 0	18.8	65.8	34.61	5.60
01	3.3	18.8	65.8	35.11	5.40
02	6.6	18.3	64.9	25.53	4.40
03	9.8	17.3	63.1	35.54	3.50
04	13.1	16.7	62.1	36.16	3.00
05	16.4	15.2	59.4	36.35	2.50
06	19.7	16.0	60.8	36.44	0.0

RECORDING DATE	- DEPTH - METERS FEET	TEMPERATURE C F	SALINITY PPT	OXYGEN PPM	PH ION CONC
JULY '72	00 0	21.0	65.8	34.44	8.21
01	3.3	20.7	65.3	34.52	8.20
02	6.6	18.5	65.3	35.03	8.12
03	9.8	17.4	63.3	35.46	8.06
04	13.1	17.0	62.6	35.46	8.04
05	16.4	16.7	62.1	35.64	8.02
06	19.7	16.4	61.5	35.73	8.00
07	23.0	15.9	60.6	35.91	8.04
08	26.2	15.8	60.4	36.00	8.06
AUG '72	00 0	18.6	65.5	34.44	8.11
01	3.3	17.5	63.5	35.20	8.06
02	6.6	17.5	63.5	35.46	8.00
03	9.8	16.9	62.4	35.37	8.17
04	13.1	15.7	60.3	35.73	8.10
05	16.4	15.3	59.5	36.09	8.08
06	19.7	14.9	58.8	36.15	8.00
07	23.0	14.7	58.5	36.46	7.94
SEPT '72	00 0	20.1	66.2	33.96	8.32
01	3.3	20.0	66.0	34.26	8.32
02	6.6	20.0	68.0	34.28	8.32
03	9.8	19.6	67.3	35.53	8.31
04	13.1	19.4	66.9	34.77	8.32
05	16.4	19.4	66.9	34.77	8.32
06	19.7	19.4	66.9	34.77	8.32
07	23.0	19.4	66.9	34.86	8.32
08	26.2	19.4	66.9	34.86	8.28
OCT '72	00 0	16.2	64.8	34.94	7.88
01	3.3	18.2	64.8	34.94	7.87
02	6.6	18.1	64.6	34.94	7.86
03	9.8	18.1	64.6	34.94	7.86
04	13.1	18.1	64.6	34.94	7.87
05	16.4	18.0	64.4	35.11	7.88
06	19.7	18.0	64.4	35.11	7.92
07	23.0	17.9	64.2	35.11	7.94

## PHYSICAL DATA REPORT

STATION: 05 OUTER FISH HARBOR (71-72) LATITUDE 033°43'57" N LONGITUDE 116°15'56" W

RECORDING DATE	DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS C.G. PPM	PH ION-SGNC	RECORDING DATE	DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS C.G. PPM	PH ION-SGNC
						FEB '73					
NOV '72	0.0	16.1	34.56	7.76	7.97	0.0	14.5	36.4	31.50	6.50	7.93
	0.0	14.9	58.8	33.82	4.50	0.1	13.3	35.5	31.80	7.86	7.93
01	3.3	14.9	58.8	33.82	4.70	0.2	6.6	13.2	35.8	32.00	6.40
01	3.3	16.0	60.0	34.40	3.40	0.3	9.8	13.1	35.6	32.00	6.40
02	6.6	14.8	58.6	33.91	4.66	0.4	13.1	13.1	35.6	32.30	6.60
02	6.6	15.9	60.6	34.46	3.40	0.5	16.4	13.1	35.6	32.60	6.30
03	9.8	15.9	60.6	34.46	3.40	0.6	19.7	13.0	35.4	32.90	5.70
03	9.8	14.8	58.6	34.09	7.94	0.7	23.0	12.9	35.2	33.20	3.40
04	13.1	14.8	58.6	34.18	4.30	0.8	23.0	12.9	35.2	33.20	3.40
04	13.1	15.8	60.4	34.57	3.40	0.9	14.7	58.5	32.70	5.10	6.12
05	16.4	15.8	60.4	34.84	3.30	0.1	3.3	14.5	58.1	33.00	8.80
05	16.4	15.2	59.4	36.20	4.10	0.2	6.6	14.5	58.1	33.00	6.70
06	19.7	15.8	60.4	34.84	3.20	0.3	9.8	14.3	57.7	33.20	8.70
06	19.7	15.2	59.5	34.85	3.90	0.4	13.1	14.2	57.7	33.20	8.70
07	23.0	15.0	59.9	34.47	3.90	0.5	16.4	14.1	57.4	33.30	8.20
07	23.0	15.6	60.1	34.75	3.00	0.6	19.7	14.1	57.4	33.20	8.90
08	26.2	15.6	59.9	34.47	8.10	0.7	23.0	14.0	57.2	33.30	7.60
DEC '72	0.0	13.7	56.7	34.60	8.20	0.8	26.2	13.9	57.0	33.40	7.70
	0.1	13.7	56.7	34.60	8.90	0.9	6.0	12.4	54.3	32.60	5.30
02	6.6	13.7	56.7	34.60	8.30	0.1	3.3	13.0	55.4	32.20	5.20
03	9.8	13.7	56.7	34.60	7.60	0.2	6.6	12.0	53.0	32.70	5.00
04	13.1	13.6	56.8	34.75	7.50	0.3	9.8	11.8	53.0	32.40	6.22
05	16.4	13.8	56.8	34.98	7.10	0.4	13.1	11.6	52.9	32.80	6.90
06	19.7	14.1	57.4	34.80	7.00	0.5	16.4	11.5	52.7	32.80	6.50
07	23.0	14.2	57.6	34.80	7.00	0.6	19.7	11.2	52.2	31.1C	6.40
JAN '73	0.0	13.0	55.4	35.96	4.00	0.7	23.0	10.8	51.4	33.20	6.70
	0.1	12.9	55.2	35.14	4.10	0.8	26.2	13.9	51.4	33.20	6.70
02	6.6	12.9	55.2	35.14	4.10	0.1	3.3	15.5	55.9	33.70	6.30
03	9.8	12.9	55.2	35.14	4.20	0.2	6.6	15.2	55.4	33.70	6.70
04	13.1	12.9	55.2	35.14	3.80	0.3	9.8	15.0	55.0	33.80	3.80
05	16.4	12.7	54.9	35.33	3.20	0.4	13.1	15.0	53.90	3.50	6.47
06	19.7	12.4	54.3	35.61	2.50	0.5	16.4	14.9	58.8	33.90	3.60
07	23.0	12.2	54.0	35.70	0.0	0.6	19.7	14.5	58.1	33.80	3.30
						0.7	23.0	14.1	57.4	33.90	2.10

## PHYSICAL DATA REPORT

STATION: AS OUTER FISH HARBOUR LATITUDE 033°43'57" N LONGITUDE 116°15'56" W

RECORDING DATE	DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS C.G. PPM	PH ION-SGNC	RECORDING DATE	DEPTH - METERS	TEMPERATURE C	SALINITY PPT	DIS C.G. PPM	PH ION-SGNC
						FEB '73					
STATION: AS OUTER FISH HARBOUR LATITUDE 033°43'57" N LONGITUDE 116°15'56" W						0.0	14.5	36.4	31.50	6.50	7.93
						0.1	3.3	35.5	31.80	7.86	7.93
						0.2	6.6	13.2	35.8	32.00	6.40
						0.3	9.8	13.1	35.6	32.00	6.40
						0.4	13.1	13.1	35.6	32.30	6.60
						0.5	16.4	13.1	35.6	32.60	6.30
						0.6	19.7	13.0	35.4	32.90	5.70
						0.7	23.0	12.9	35.2	33.20	3.40
						0.8	26.2	13.9	57.0	33.40	7.70
						0.9	3.3	14.5	58.5	32.70	5.10
						1.0	6.6	14.5	58.1	33.00	8.80
						1.1	9.8	14.5	58.1	33.00	6.70
						1.2	13.1	14.2	57.7	33.20	8.70
						1.3	16.4	14.1	57.4	33.30	8.20
						1.4	19.7	14.1	57.4	33.20	8.90
						1.5	23.0	14.0	57.2	33.30	7.60
						1.6	26.2	13.9	57.0	33.40	7.70
						1.7	3.3	15.5	55.9	33.70	6.30
						1.8	6.6	15.2	55.4	33.70	6.70
						1.9	9.8	15.0	55.0	33.80	3.80
						2.0	13.1	15.0	53.90	3.50	6.47
						2.1	16.4	14.9	58.8	33.90	3.60
						2.2	19.7	14.5	58.1	33.80	3.30
						2.3	23.0	14.1	57.4	33.90	2.10

## ALLAN HANCOCK FOUNDATION

## PHYSICAL DATA REPORT

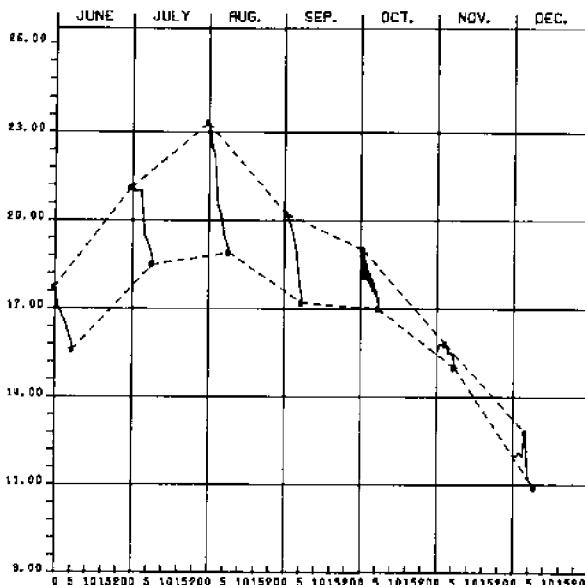
STATION: A5 OUTER FISH HARBOR  
LATITUDE 033°43'57" N LONGITUDE 116°15'56" W

RECORDING DATE	- DEPTH - METERS FEET	TEMPERATURE F	SALINITY PPT	DIS CXC PPM	PH HI-CON-SURG	RECORDING DATE	- DEPTH - METERS FEET	TEMPERATURE C	SALINITY PPT	DIS OXG PPM	PH HI-CON-SURG
JUNE * 73	00 0.0	18.2	64.8	33.76	E.00	OCT * 73	0.0	16.0	64.4	32.50	7.56
01	3.3	18.0	64.4	33.70	7.50	0.1	3.3	18.0	64.4	33.20	7.56
02	6.0	17.5	63.5	34.00	7.70	0.2	6.6	17.9	64.2	33.20	7.59
03	9.8	16.9	60.6	34.70	4.80	0.3	9.8	17.6	63.7	33.20	7.60
04	13.1	15.7	60.3	33.50	4.60	0.4	13.1	17.4	63.3	33.20	7.62
05	16.4	15.6	60.1	33.80	3.85	0.5	16.4	17.0	62.6	33.40	7.63
06	19.7	15.5	59.9	33.90	4.10	0.6	19.7	16.9	62.2	33.40	7.65
07	23.0	15.2	59.4	33.70	4.20	NOV * 73	0.0	17.0	62.6	33.20	7.60
JULY * 73	00 0.0	18.8	65.8	33.00	5.70	7.98	0.1	3.3	16.9	62.4	33.20
01	3.3	18.8	65.8	33.00	5.85	7.98	0.2	6.6	16.9	62.4	33.20
02	6.6	18.6	65.8	33.10	6.30	8.00	0.3	9.8	16.9	62.4	33.20
03	9.8	16.0	64.4	33.30	6.70	8.02	0.4	13.1	16.6	61.9	33.30
04	13.1	17.4	63.3	33.70	5.20	7.91	0.5	16.4	16.6	61.9	33.25
05	16.4	17.2	63.0	33.60	4.80	7.86	0.6	19.7	16.5	61.7	33.30
06	19.7	16.4	61.6	33.80	3.75	7.75	0.7	2.50	7.62	7.91	7.90
07	23.0	16.0	60.8	33.80	2.50	7.62					
AUG * 73	00 0.0	19.4	66.6	32.90	8.30	7.39					
01	3.3	18.8	65.8	33.40	8.60	7.36					
02	6.6	18.4	65.1	33.30	7.80	7.39					
03	9.8	18.0	64.4	33.40	8.90	7.33					
04	13.1	17.6	63.7	33.40	8.60	7.32					
05	16.4	16.8	62.2	33.50	8.20	7.26					
06	19.7	16.6	61.9	33.40	8.20	7.26					
07	23.0	16.6	61.9	33.40	8.10	7.27					
SEPT * 73	00	17.4	64.2	33.10	E.00	7.47					
01	3.3	17.9	64.2	33.20	6.20	7.51					
02	6.6	17.6	63.7	33.30	6.00	7.52					
03	9.8	16.6	61.9	33.50	5.40	7.52					
04	13.1	16.2	61.2	33.50	E.40	7.53					
05	16.4	15.6	60.4	33.50	E.40	7.52					
06	19.7	15.4	59.7	33.50	5.70	7.54					
07	23.0	15.3	59.5	33.40	5.50	7.59					

STATION: A5 OUTER FISH HARBOR  
LATITUDE 033°43'57" N LONGITUDE 116°15'56" W

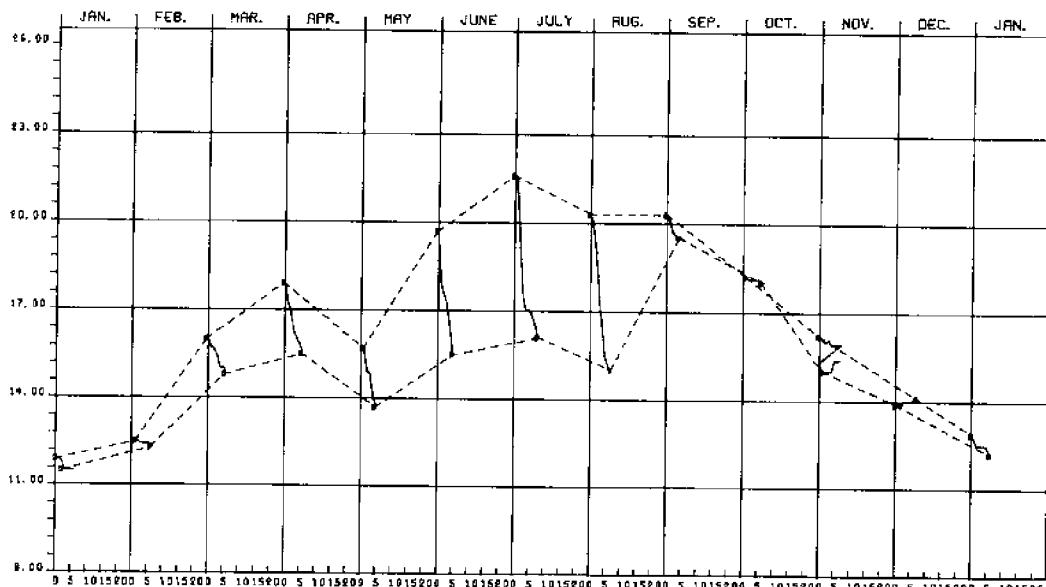
RECORDING DATE	- DEPTH - METERS FEET	TEMPERATURE F	SALINITY PPT	DIS CXC PPM	PH HI-CON-SURG	RECORDING DATE	- DEPTH - METERS FEET	TEMPERATURE C	SALINITY PPT	DIS OXG PPM	PH HI-CON-SURG
OCT * 73	0.0	17.9	64.2	33.10	E.00	7.47					
01	3.3	17.9	64.2	33.20	6.20	7.51					
02	6.6	17.6	63.7	33.30	6.00	7.52					
03	9.8	16.6	61.9	33.50	5.40	7.52					
04	13.1	16.2	61.2	33.50	E.40	7.53					
05	16.4	15.6	60.4	33.50	E.40	7.52					
06	19.7	15.4	59.7	33.50	5.70	7.54					
07	23.0	15.3	59.5	33.40	5.50	7.59					

1971 TEMPERATURE DATA  
STATION: 06 INNER FISH HARBOR (71-72)  
DATA: DEPTH METERS / TEMP CELSIUS

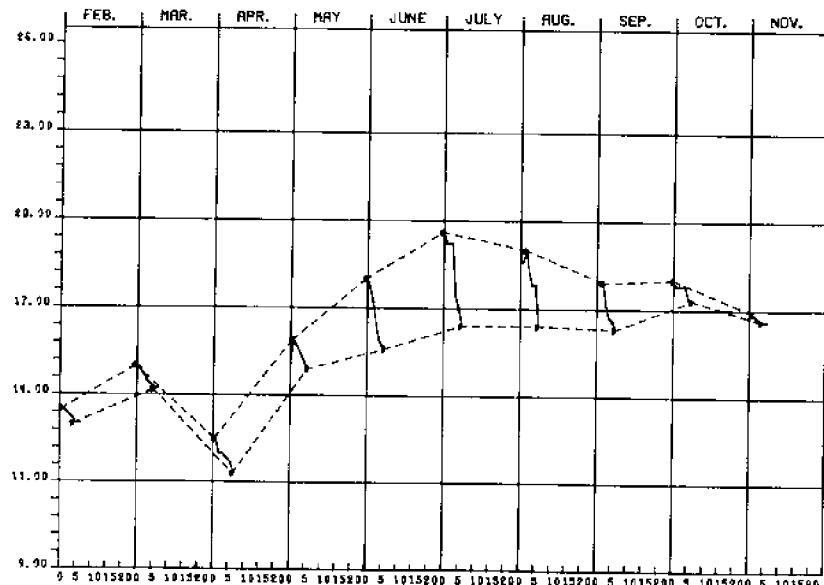


53

1972 TEMPERATURE DATA  
STATION: 06 INNER FISH HARBOR (71-72)  
DATA: DEPTH METERS / TEMP CELSIUS

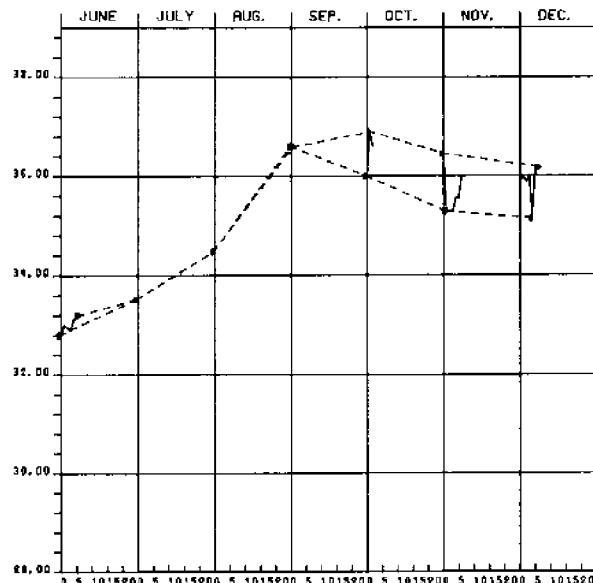


1973 TEMPERATURE DATA  
STATION: A6 INNER FISH HARBOR  
DATA: DEPTH METERS / TEMP CELSIUS



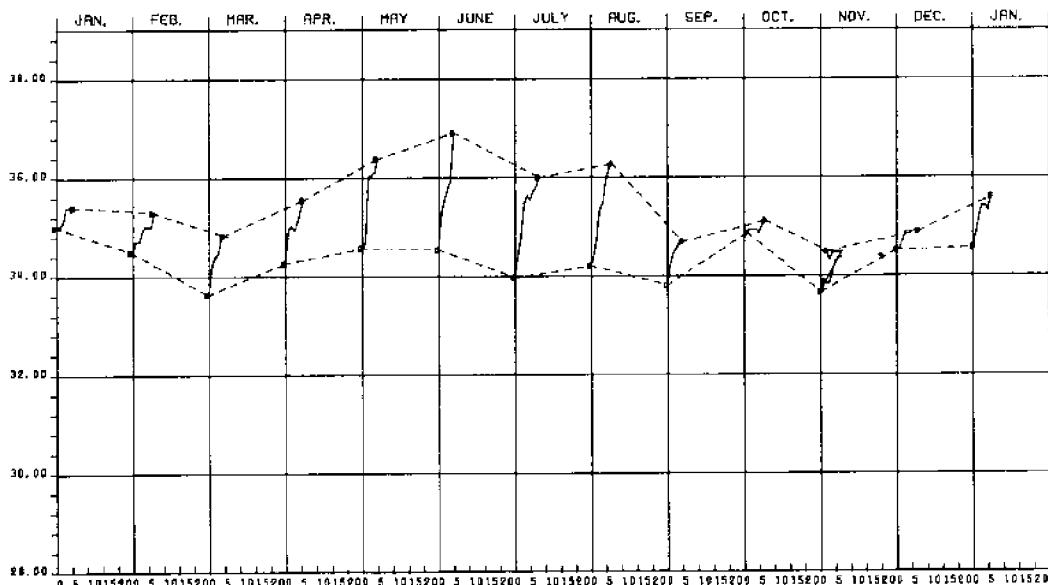
1971 SALINITY DATA  
 STATION: 06 INNER FISH HARBOR (71-72)  
 DATA: DEPTH METERS / SAL PPT

54



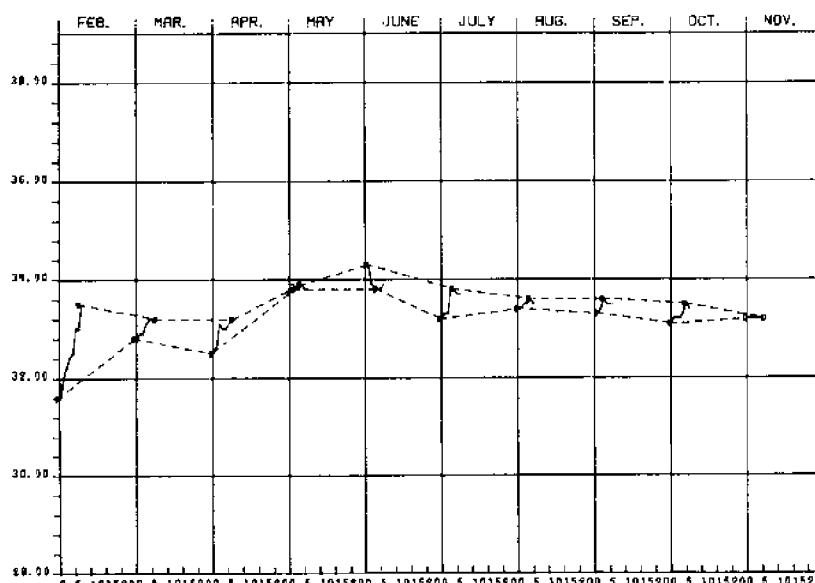
1972 SALINITY DATA

STATION: 06 INNER FISH HARBOR (71-72)  
 DATA: DEPTH METERS / SAL PPT



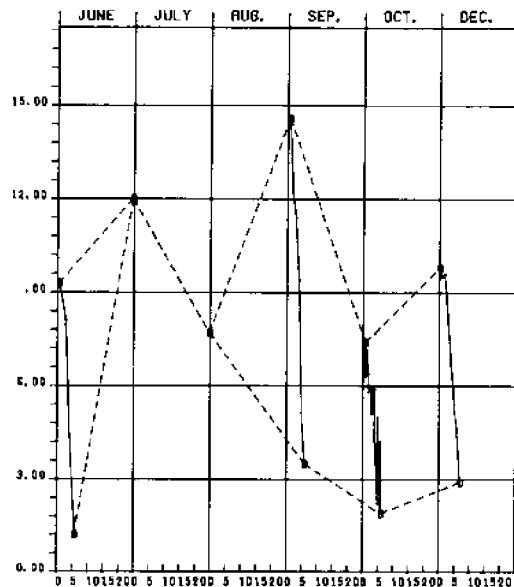
1973 SALINITY DATA

STATION: A6 INNER FISH HARBOR  
 DATA: DEPTH METERS / SAL PPT

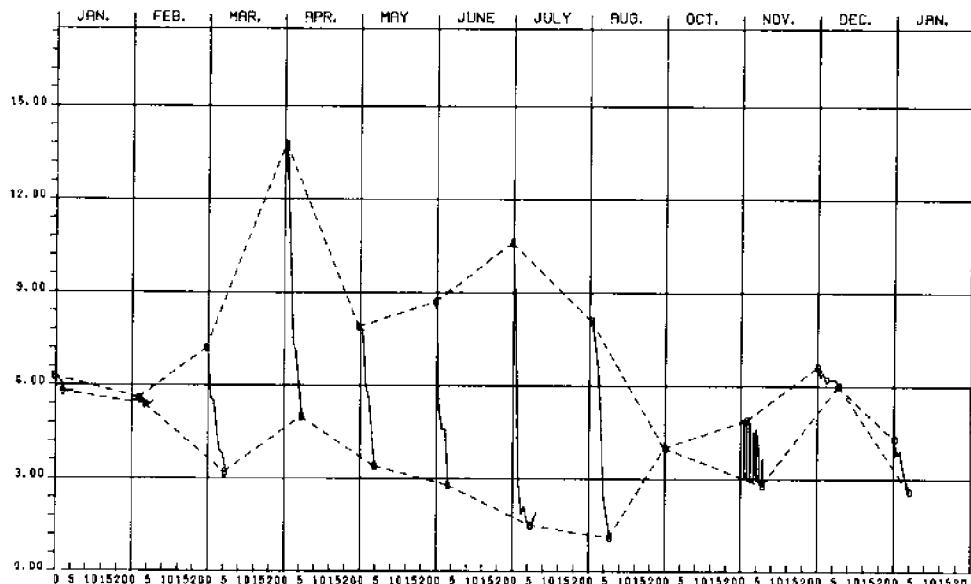


1971 DISSOLVED OXYGEN  
STATION 06 INNER FISH HARBOR (71-72)  
DATA: DEPTH METERS / DIS OXG PPM

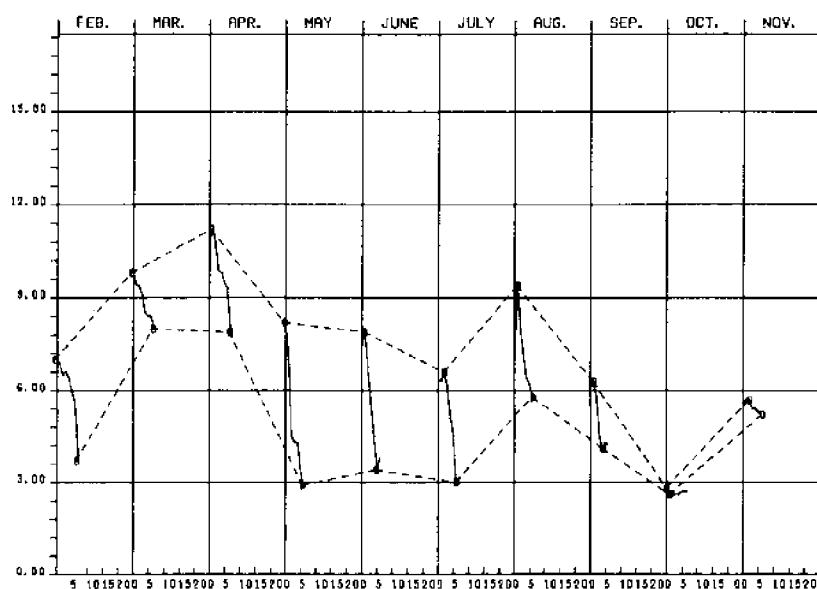
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1972 DISSOLVED OXYGEN  
STATION 06 INNER FISH HARBOR (71-72)  
DATA: DEPTH METERS / DIS OXG PPM

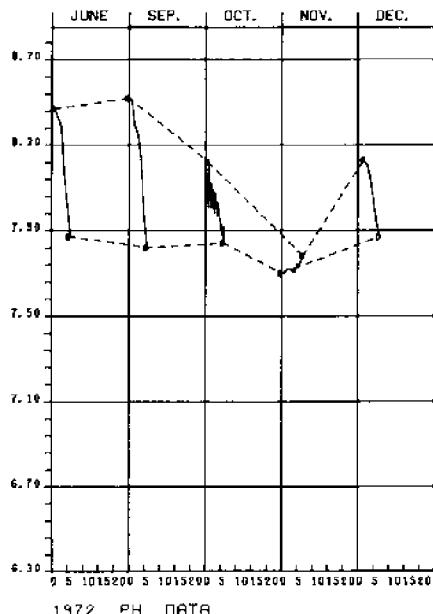


1973 DISSOLVED OXYGEN  
STATION 06 INNER FISH HARBOR  
DATA: DEPTH METERS / DIS OXG PPM

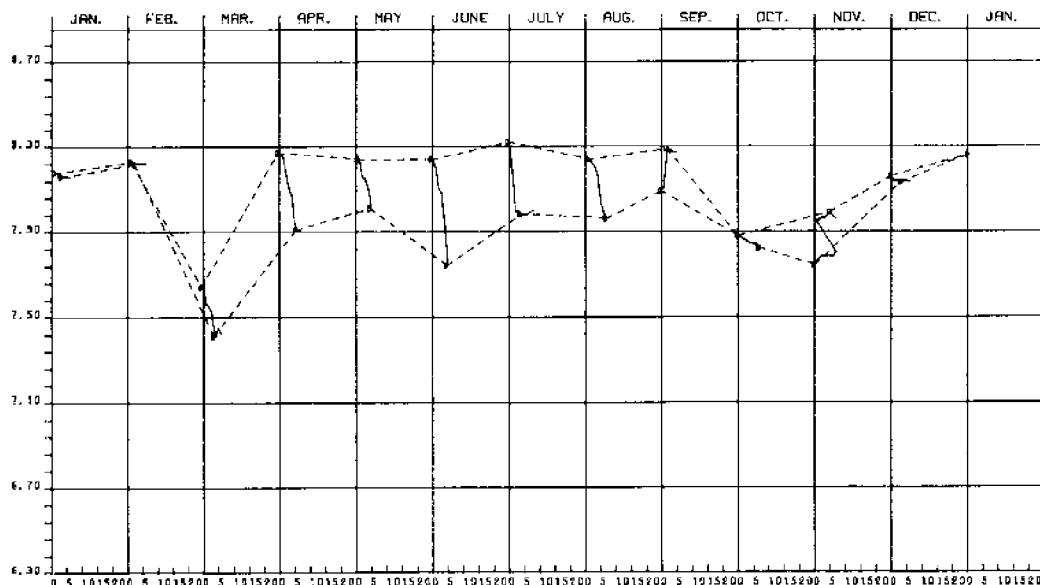


1971 PH DATA  
STATION: 06 INNER FISH HARBOR (71-72)  
DATA: DEPTH METERS / PH H ION CONC

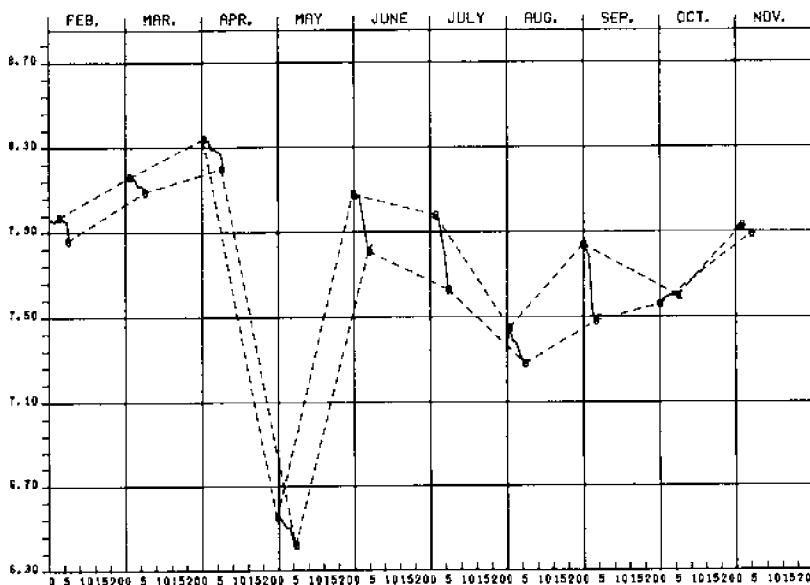
56



STATION: 06 INNER FISH HARBOR (71-72)  
DATA: DEPTH METERS / PH H ION CONC



1973 PH DATA  
STATION: 06 INNER FISH HARBOR  
DATA: DEPTH METERS / PH H ION CONC



PHYSICAL DATA REPORT

STATION: 06 INNER FISH HARBOR (71-72)		LATITUDE 033°44'09" N		LONGITUDE 116°16'00" W		RECORDING DATE JUN 71		RECORDING DATE JUN 71		RECORDING DATE NOV 71		RECORDING DATE NOV 71	
DEPTH - METERS	TEMPERATURE - C.	DEPTH - FEET	TEMPERATURE - F.	SALINITY	DIS DSG EPT	DIS DSG EBM	PH	HION CONC	DEPTH - FEET	TEMPERATURE - C.	DIS DSG EPT	PH	HION CONC
JUNE 71	0.0	17.7	63.9	32.80	9.20	8.45	DCT	•71	0.0	18.2	64.8	6.30	8.02
	0.1	17.0	62.6	33.00	8.30	8.47			0.0	18.6	65.8	7.30	8.22
	0.3	16.6	61.9	32.90	8.10	8.39			0.1	18.0	64.4	C.30	8.01
	0.4	16.3	61.3	33.10	8.17	8.47			0.1	19.0	66.2	36.90	8.22
	0.6	15.6	60.1	33.20	8.20	7.67			0.2	16.0	64.4	6.40	8.01
JULY 71	0.0	21.1	76.0	33.52	12.60				0.2	18.5	65.3	30.60	8.12
	0.1	21.0	76.8						0.3	17.8	64.0	E.60	8.01
	0.3	21.0	76.8						0.3	18.8	64.8	E.00	7.98
	0.4	19.5	67.1						0.4	13.1	63.7	5.10	8.08
	0.6	19.7	69.0						0.4	13.1	63.0	5.90	7.97
	0.7	18.5	65.3						0.5	16.4	63.5	4.50	8.03
AUG 71	0.0	23.3	73.9	34.4E	7.70				0.5	16.4	63.7	2.20	7.92
	0.1	22.5	72.5						0.6	17.6	63.7	7.00	7.92
	0.2	22.2	72.0						0.6	17.0	62.6	1.90	7.84
	0.3	20.5	68.9						0.6	17.4	63.3	4.20	7.92
	0.4	13.1	68.4						0.6	19.7	62.6		
	0.5	16.4	69.5						0.6	19.7	62.6		
	0.6	19.7	69.2						0.7	23.0	59.0		
	0.7	23.0	68.9						0.7	23.0	59.0	36.00	
SEPT 71	0.0	20.2	68.4	36.60	14.40	8.52			0.0	15.5	59.9	36.45	7.70
	0.1	20.2	68.4	36.60	14.60	8.51			0.1	15.8	60.4	35.65	7.70
	0.2	19.4	67.6						0.2	15.8	60.4	7.72	7.72
	0.3	19.5	67.1						0.3	15.8	60.4	35.28	7.72
	0.4	13.1	66.0						0.4	13.1	59.9	35.35	7.70
	0.5	16.4	66.0						0.5	16.4	59.9	35.55	7.74
	0.6	19.7	66.6						0.6	19.7	59.9	36.00	7.74
	0.7	23.0	66.0						0.7	23.0	59.0		

PHYSICAL DATA REPORT

STATION: 06 INNER FISH HARBOR (71-72)		LATITUDE 033°44'09" N		LONGITUDE 116°16'00" W		RECORDING DATE JUN 71		RECORDING DATE JUN 71		RECORDING DATE NOV 71		RECORDING DATE NOV 71	
DEPTH - METERS	TEMPERATURE - C.	DEPTH - FEET	TEMPERATURE - F.	SALINITY	DIS DSG EPT	DIS DSG EBM	PH	HION CONC	DEPTH - FEET	TEMPERATURE - C.	DIS DSG EPT	PH	HION CONC
JUNE 71	0.0	17.7	63.9	32.80	9.20	8.45	DCT	•71	0.0	18.2	64.8	6.30	8.02
	0.1	17.0	62.6	33.00	8.30	8.47			0.0	18.6	65.8	7.30	8.22
	0.3	16.6	61.9	32.90	8.10	8.39			0.1	18.0	64.4	C.30	8.01
	0.4	16.3	61.3	33.10	8.17	8.47			0.1	19.0	64.4	7.40	8.01
	0.6	15.6	60.1	33.20	8.20	7.67			0.2	16.0	64.4	6.40	8.01
JULY 71	0.0	21.1	76.0	33.52	12.60				0.2	18.5	65.3	E.60	8.12
	0.1	21.0	76.8						0.3	17.8	64.0	E.00	7.98
	0.3	21.0	76.8						0.4	13.1	63.7	5.10	8.08
	0.4	19.5	67.1						0.4	13.1	63.0	5.90	7.97
	0.6	19.7	69.0						0.5	16.4	63.5	4.50	8.03
	0.7	18.5	65.3						0.5	16.4	63.7	2.20	7.92
AUG 71	0.0	23.3	73.9	34.4E	7.70				0.6	17.6	63.7	7.00	7.92
	0.1	22.5	72.5						0.6	17.4	63.3	1.90	7.84
	0.2	22.2	72.0						0.6	19.7	62.6	4.20	7.92
	0.3	20.5	68.9						0.7	23.0	59.0		
	0.4	13.1	68.4						0.7	23.0	59.0	36.00	
	0.5	16.4	69.5						0.7	23.0	59.0		
	0.6	19.7	69.2						0.7	23.0	59.0		
	0.7	23.0	68.9						0.7	23.0	59.0		
SEPT 71	0.0	20.2	68.4	36.60	14.40	8.52			0.0	15.5	59.9	36.45	7.70
	0.1	20.2	68.4	36.60	14.60	8.51			0.1	15.8	60.4	35.65	7.70
	0.2	19.4	67.6						0.2	15.8	60.4	7.72	7.72
	0.3	19.5	67.1						0.3	15.8	60.4	35.28	7.72
	0.4	13.1	66.0						0.4	13.1	59.9	35.35	7.70
	0.5	16.4	66.0						0.5	16.4	59.9	35.55	7.74
	0.6	19.7	66.6						0.6	19.7	59.9	36.00	7.74
	0.7	23.0	66.0						0.7	23.0	59.0		

PHYSICAL DATA REPORT

## PHYSICAL DATA REPORT

## PHYSICAL DATA REPORT

STATION: 06 INNER FISH HARBOR (71-72) LATITUDE 033°44'09 N LONGITUDE 118°16'00 W

RECORDING DATE	- DEPTH - METERS	TEMPERATURE C.	SALINITY PPT	OIS OXG PPM	PH	H.I.ON CONC
JAN *72	00	0.0	11.9	53.4	8.30	8.18
	01	3.3	11.9	53.4	8.20	8.18
	02	6.6	11.8	53.2	8.10	8.18
	03	9.8	11.5	52.7	8.00	8.17
	04	13.1	11.5	52.7	8.00	8.16
	05	16.4	11.5	52.7	8.00	8.16
	06	19.7	11.5	52.7	8.00	8.16

RECORDING DATE	- DEPTH - METERS	TEMPERATURE C.	SALINITY PPT	OIS OXG PPM	PH	H.I.ON CONC
FEB *72	00	0.0	12.5	54.5	8.50	8.23
	01	3.3	12.5	54.5	8.50	8.23
	02	6.6	12.5	54.5	8.50	8.23
	03	9.8	12.4	54.3	8.60	8.22
	04	13.1	12.4	54.3	8.50	8.22
	05	16.4	12.4	54.3	8.40	8.22
	06	19.7	12.4	54.3	8.40	8.22
	07	23.0	12.3	54.1	8.50	8.22

RECORDING DATE	- DEPTH - METERS	TEMPERATURE C.	SALINITY PPT	OIS OXG PPM	PH	H.I.ON CONC
MAR *72	00	0.0	16.0	60.8	7.20	7.64
	01	3.3	15.7	60.3	7.21	7.56
	02	6.6	15.6	60.1	7.38	7.55
	03	9.8	15.4	59.7	7.47	7.50
	04	13.1	15.0	59.0	7.73	7.45
	05	16.4	15.0	59.0	7.83	7.45
	06	19.7	14.8	56.6	7.81	7.20

RECORDING DATE	- DEPTH - METERS	TEMPERATURE C.	SALINITY PPT	OIS OXG PPM	PH	H.I.ON CONC
APR *72	00	0.0	17.9	64.2	8.27	8.26
	01	3.3	17.3	63.1	8.26	8.26
	02	6.6	16.9	62.4	8.20	8.19
	03	9.8	16.3	61.3	8.11	8.07
	04	13.1	16.0	60.8	7.40	7.10
	05	16.4	15.8	60.4	7.37	6.10
	06	19.7	15.5	59.9	7.55	7.91

RECORDING DATE	- DEPTH - METERS	TEMPERATURE C.	SALINITY PPT	OIS OXG PPM	PH	H.I.ON CONC
MAY *72	00	0.0	15.7	60.3	7.90	8.23
	01	3.3	15.7	60.3	7.80	8.24
	02	6.6	14.9	56.0	7.60	8.16
	03	9.8	14.8	56.6	7.64	8.15
	04	13.1	14.1	57.4	7.610	8.10
	05	16.4	13.7	56.7	7.40	8.01

STATION: 06 INNER FISH HARBOR (71-72)		LATITUDE 033°44'09 N	LONGITUDE 118°16'00 W	RECORDING DATE	- DEPTH - METERS	TEMPERATURE C.	SALINITY PPT	DIS CNG E	PH	DIS CNG E	PH
		JUNE *72			00	0.0	19.7	7.5	34.53	6.70	6.24
					01	3.3	16.0	64.4	35.28	5.30	8.20
					02	6.6	17.5	63.5	35.54	4.60	8.10
					03	9.8	17.2	63.0	35.81	4.60	8.08
					04	13.1	16.5	61.7	35.92	2.80	7.92
					05	16.4	15.5	59.9	36.91	0.0	7.74
		JULY *72			00	0.0	21.6	70.9	33.97	10.60	8.32
					01	3.3	21.4	70.5	34.36	8.60	8.18
					02	6.6	19.0	66.2	34.77	3.00	8.00
					03	9.8	17.4	63.3	35.46	1.90	6.00
					04	13.1	17.0	62.6	35.63	2.10	7.98
					05	16.4	17.0	62.6	35.55	1.60	7.98
					06	19.7	16.6	62.2	35.42	1.50	7.96
					07	23.0	16.5	61.7	35.81	1.70	7.99
					08	26.2	16.1	61.0	36.00	1.90	8.00
		AUG *72			00	0.0	20.3	68.5	34.20	8.00	8.24
					01	3.3	20.0	68.0	34.36	8.10	8.24
					02	6.6	19.5	66.2	34.77	7.50	8.23
					03	9.8	17.5	63.5	35.37	6.60	8.21
					04	13.1	16.6	61.9	35.46	4.50	8.17
					05	16.4	15.5	59.9	35.91	2.40	8.04
					06	19.7	15.1	59.2	36.18	1.80	6.00
					07	23.0	15.0	56.0	36.28	1.10	7.96
		SEPT *72			00	0.0	20.3	68.5	33.80	8.00	8.24
					01	3.3	20.1	68.2	34.20	8.11	8.24
					02	6.6	19.7	67.3	34.44	6.24	8.24
					03	9.8	17.1	67.1	34.57	6.24	8.24
					04	13.1	19.5	67.1	34.69	6.27	8.27
					05	16.4	19.5	67.1	34.69	8.27	8.27
		OCT *72			00	0.0	18.2	64.8	34.94	7.68	7.97
					01	3.3	18.2	64.8	34.86	7.66	7.86
					02	6.6	18.1	64.6	34.94	7.65	7.85
					03	9.8	18.1	64.6	34.94	7.84	7.84
					04	13.1	18.1	64.6	34.94	7.84	7.84
					05	16.4	18.1	64.6	34.86	7.84	7.84
					06	19.7	18.0	64.4	35.03	7.84	7.82
					07	23.0	18.0	64.4	35.11	7.82	7.82

## PHYSICAL DATA REPORT

## PHYSICAL DATA REPORT

STATION: 06 INNER FISH HARBOR (71-72)  
LATITUDE 033°44'09 N LONGITUDE 118:16:00 W

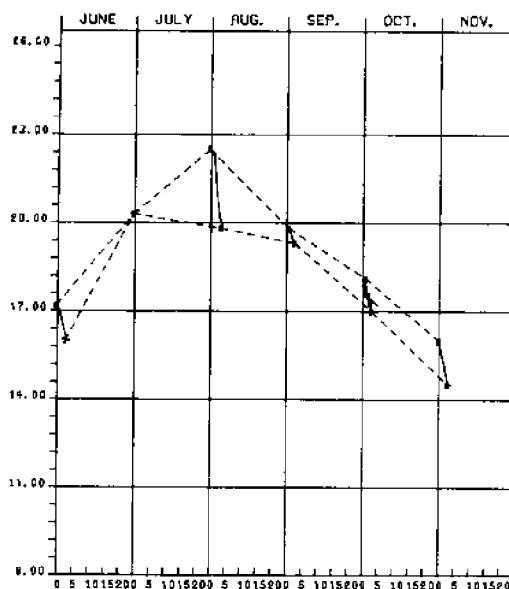
STATION: A6 INNER FISH HARBOR  
LATITUDE 033°44'09 N LONGITUDE 118:16:00 W

RECORDING DATE	DEPTH - METERS_EAST	TEMPERATURE C	SALINITY PPT	DIS OXG PPM	PH ION SECS	RECORDING DATE	DEPTH - METERS FEET	TEMPERATURE C_F	SALINITY PPT	DIS OXG PPM	PH ION SECS
NOV *72	00	0.0	16.2	34.49	3.10	FEB *73	00	0.0	13.5	56.3	31.60
	00	0.0	15.3	33.66	4.90		01	3.3	13.5	56.3	32.60
01	3.3	15.0	33.92	4.90	7.95		02	6.6	13.4	56.1	32.20
01	3.3	16.1	61.0	34.49	3.10		03	9.8	13.3	55.9	32.40
02	6.6	16.0	60.8	34.45	3.00		04	13.1	13.2	55.8	32.50
02	6.6	15.0	55.0	33.83	4.90		05	16.4	13.0	55.4	33.00
03	9.8	15.0	55.0	33.83	4.80		06	19.7	13.0	55.4	33.00
03	9.8	16.1	61.0	34.31	3.00		07	23.0	13.0	55.4	33.50
04	13.1	15.9	60.6	34.48	3.00						3.70
04	13.1	15.0	59.0	34.10	4.50	MAR *73	00	0.0	15.0	59.0	32.60
05	16.4	15.9	60.6	34.48	3.00		01	3.3	14.9	58.8	32.90
05	16.4	15.4	56.7	34.29	4.60		02	6.6	14.7	58.5	32.90
06	19.7	15.4	56.7	34.38	3.00		03	9.8	14.5	58.1	33.10
06	19.7	15.9	60.6	34.48	2.90		04	13.1	14.4	57.9	33.20
07	23.0	15.9	60.6	34.48	2.80		05	16.4	14.3	57.7	33.20
07	23.0	15.4	56.7	34.38	3.70		06	19.7	14.2	57.6	33.20
DEC *72	00	0.0	13.9	57.0	34.52		07	23.0	14.2	57.6	33.20
	01	3.3	13.9	57.0	34.52						8.00
02	6.6	13.9	57.0	34.70	6.40	APR *73	00	0.0	12.5	54.5	32.50
03	9.8	14.0	57.2	34.89	6.10		01	3.3	12.5	54.5	32.60
C4	13.1	14.0	57.2	34.89	6.20		02	6.6	12.0	53.6	33.10
05	16.4	14.0	57.2	34.89	6.14		03	9.8	12.0	53.6	33.00
06	19.7	14.1	57.4	34.89	6.20		04	13.1	11.9	53.4	33.00
07	23.0	14.1	57.4	34.89	6.00		05	16.4	11.8	53.2	33.10
JAN *73	00	0.0	12.9	55.2	4.30		06	19.7	11.6	52.9	33.20
	01	3.3	12.7	54.9	34.85		07	23.0	11.3	52.3	33.20
02	6.6	12.5	54.5	35.13	3.90	MAY *73	00	0.0	15.1	55.2	33.95
03	9.8	12.5	54.5	35.42	3.30		01	3.3	15.9	60.6	33.90
04	13.1	12.5	54.5	35.42	2.90		02	6.6	15.7	60.3	33.80
05	16.4	12.5	54.5	35.32	2.60		03	9.8	15.5	59.9	33.80
06	19.7	12.2	54.0	35.60	0.0		04	13.1	15.3	59.5	33.90
JUNE *73	00	0.0	12.9	55.2	4.30		05	16.4	15.0	59.0	33.80
	01	3.3	12.7	54.9	34.85		06	19.7	14.9	58.8	33.80
02	6.6	12.5	54.5	35.13	3.90						2.50
03	9.8	12.5	54.5	35.42	3.30						6.42
04	13.1	12.5	54.5	35.42	2.90						
05	16.4	12.5	54.5	35.32	2.60						
06	19.7	12.2	54.0	35.60	0.0						

PHYSICAL DATA REPORT

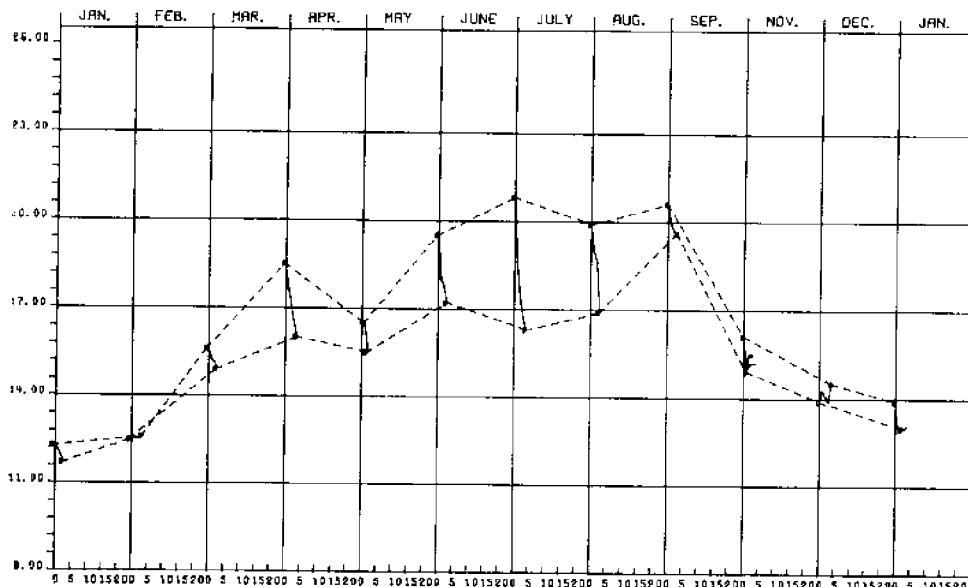
STATION: A6 INNER FISH HARBOR		LATITUDE: 033°44'09" N		LONGITUDE: 118°16'00" W	
RECORDING DATE	DEPTH METERS	TEMPERATURE °C	SALINITY PPT	DIS. OXY PPM	PH H.I.ON.S.G.N.
JULY '73	00	0.0	19.6	67.3	33.20
	01	3.3	19.2	66.6	33.30
	02	6.6	19.2	66.6	33.30
	03	9.8	19.2	66.6	33.30
	04	13.1	17.4	63.3	33.80
	05	16.4	17.0	62.6	33.70
	06	19.7	16.4	61.5	33.70
	07	0.0	18.6	65.5	33.40
	08	3.3	18.6	65.5	33.40
	09	6.6	19.0	66.2	33.50
AUG '73	03	9.8	18.2	64.8	33.50
	04	13.1	17.8	64.0	33.60
	05	16.4	17.8	64.0	33.50
	06	19.7	16.4	61.5	33.50
	07	0.0	17.9	64.2	33.40
	08	3.3	17.9	64.2	33.30
	09	6.6	17.9	64.2	33.40
	10	9.8	17.1	62.8	33.60
	11	13.1	16.7	62.1	33.50
	12	16.4	16.6	61.9	33.50
SEPT '73	06	19.7	16.3	61.3	33.50
	07	0.0	18.4	61.5	33.50
	08	3.3	17.9	61.5	33.50
	09	6.6	17.1	61.5	33.50
	10	9.8	16.7	61.5	33.50
	11	13.1	16.6	61.5	33.50
	12	16.4	16.3	61.3	33.50
	13	19.7	16.3	61.3	33.50
	14	0.0	18.0	64.4	33.10
	15	3.3	17.8	64.0	33.20
OCT '73	02	6.6	17.8	64.0	33.20
	03	9.8	17.6	64.0	33.20
	04	13.1	17.6	64.0	33.20
	05	16.4	17.4	63.3	33.30
	06	19.7	17.3	63.1	33.40
	07	23.0	17.3	63.1	33.40
	08	0.0	16.8	62.2	33.20
	09	3.3	16.9	62.4	33.20
	10	6.6	16.8	62.2	33.20
	11	9.8	16.7	62.1	33.20
NOV '73	04	13.1	16.6	61.9	33.20
	05	16.4	16.6	61.9	33.20
	06	19.7	16.6	61.9	33.20
	07	0.0	16.8	62.2	33.20
	08	3.3	16.9	62.4	33.20
	09	6.6	16.8	62.2	33.20

1971 TEMPERATURE DATA  
 STATION 07 SEWER OUTFALL (71-72)  
 DATA: DEPTH METERS / TEMP CELSIUS



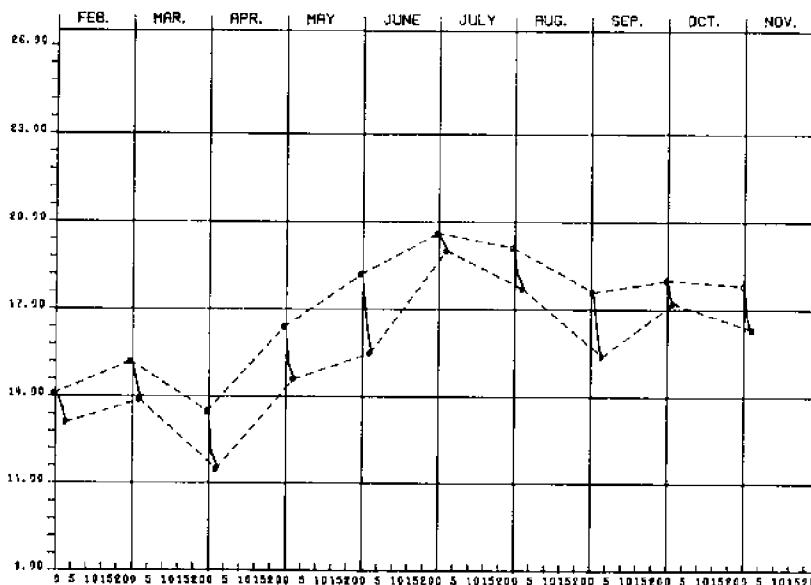
61

1972 TEMPERATURE DATA  
 STATION 07 SEWER OUTFALL (71-72)  
 DATA: DEPTH METERS / TEMP CELSIUS



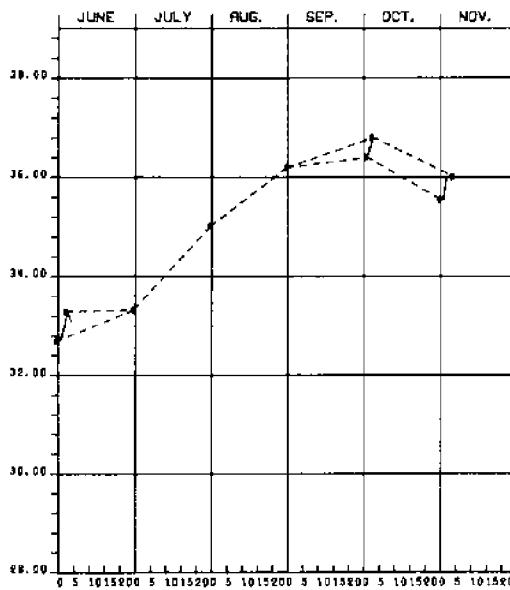
1973 TEMPERATURE DATA

STATION 07 SEWER OUTFALL  
 DATA: DEPTH METERS / TEMP CELSIUS

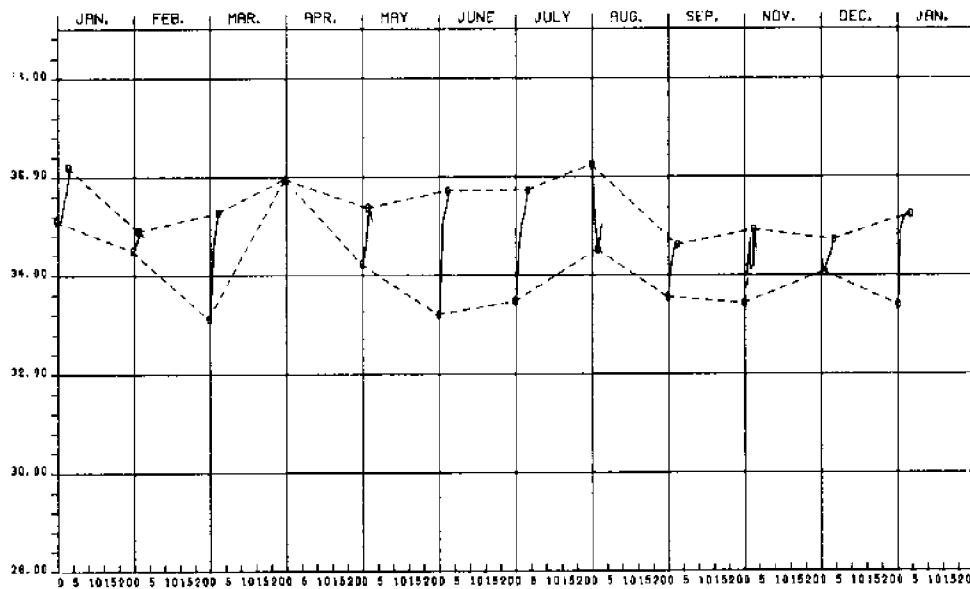


1971 SALINITY DATA  
 STATION: 07 SEWER OUTFALL (71-72)  
 DATA: DEPTH METERS / SAL PPT

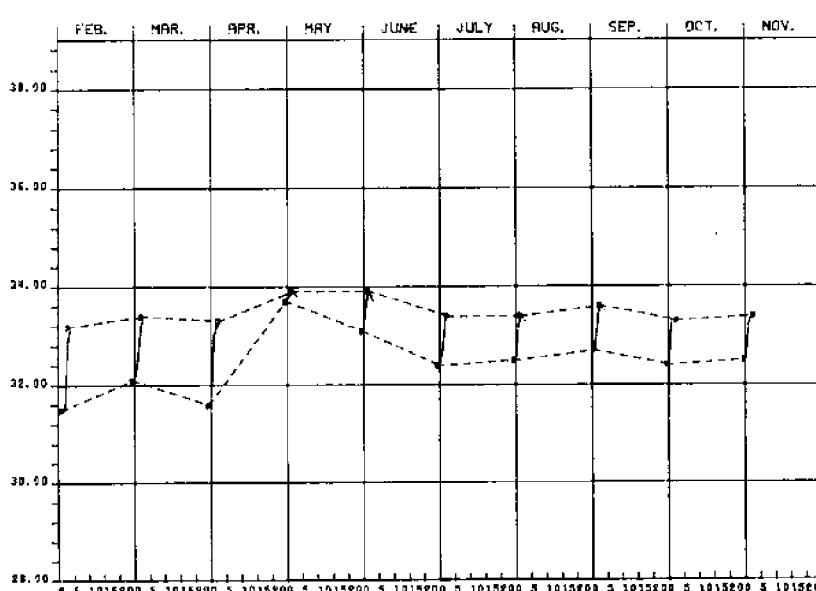
62



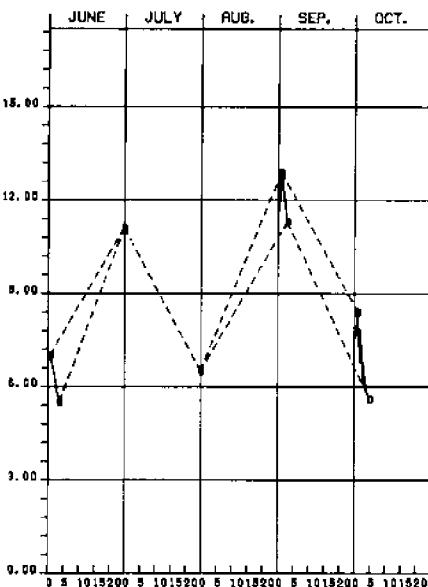
1972 SALINITY DATA  
 STATION: 07 SEWER OUTFALL (71-72)  
 DATA: DEPTH METERS / SAL PPT



STATION: 97 SEWER OUTFALL  
 DATA: DEPTH METERS / SAL PPT

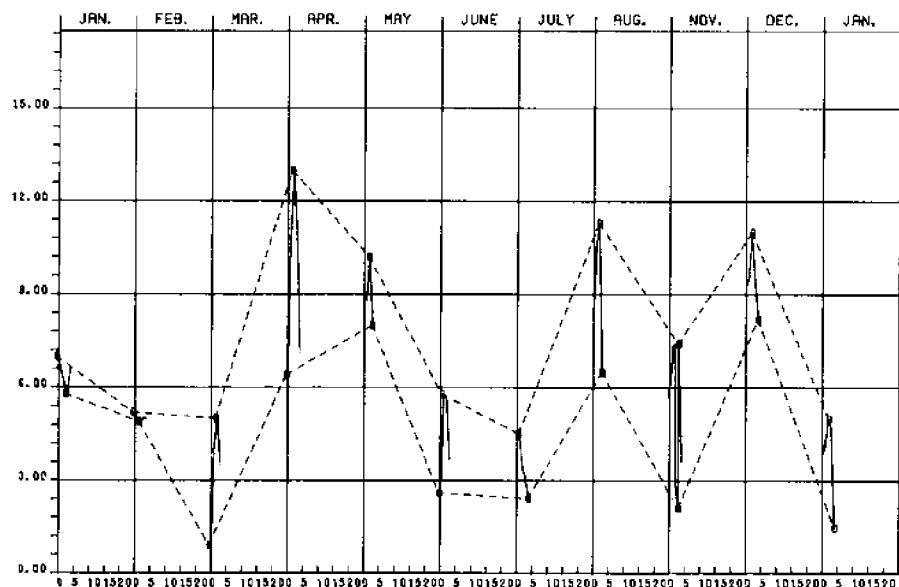


1971 DISSOLVED OXYGEN  
STATION: 07 SEWER DUTFALL (71-72)  
DATA: DEPTH METERS / DIS OXG PPM

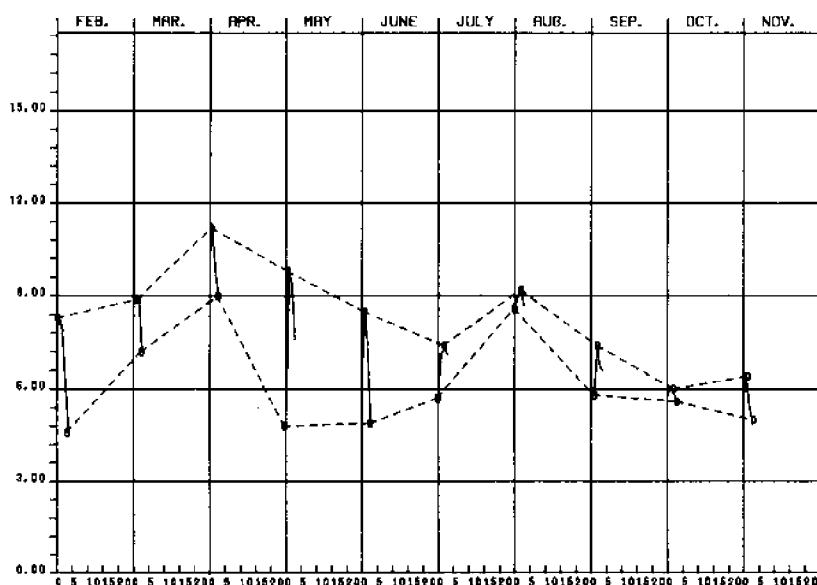


63

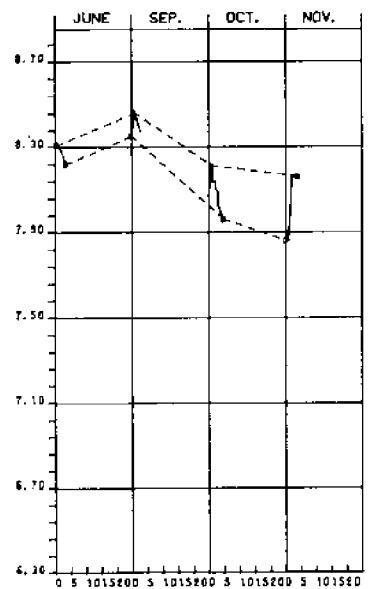
1972 DISSOLVED OXYGEN  
STATION: 07 SEWER DUTFALL (71-72)  
DATA: DEPTH METERS / DIS OXG PPM



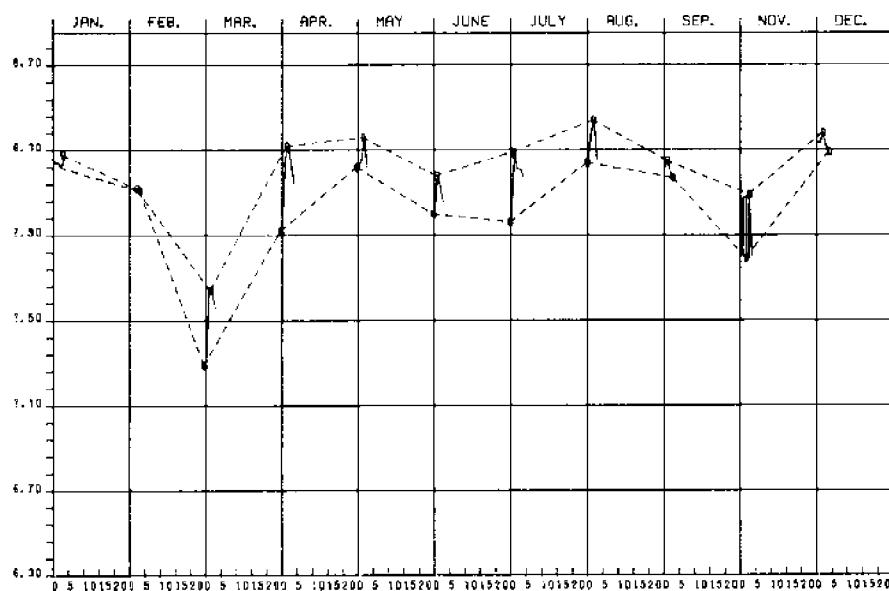
1973 DISSOLVED OXYGEN  
STATION: 07 SEWER DUTFALL  
DATA: DEPTH METERS / DIS OXG PPM



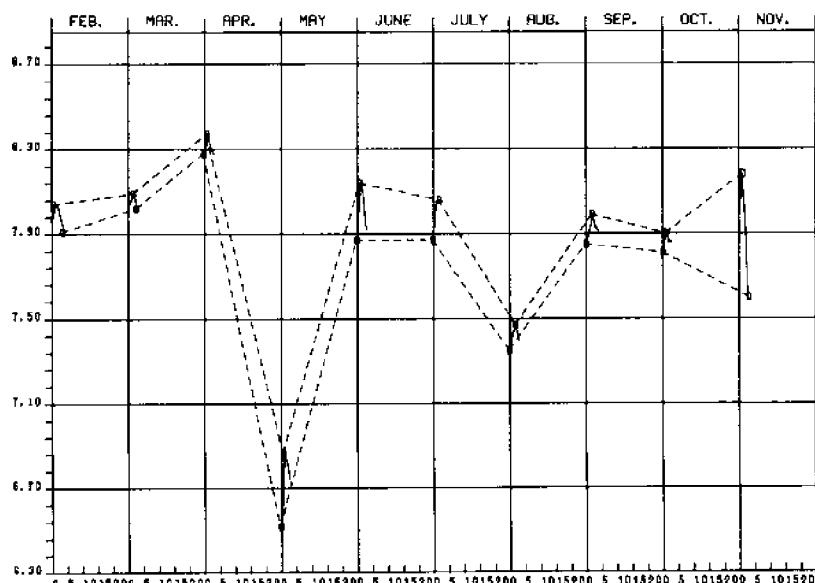
1971 PH DATA  
 STATION: 07 SEWER OUTFALL (71-72)  
 DATA: DEPTH METERS / PH H ION CONC



1972 PH DATA  
 STATION: 07 SEWER OUTFALL (71-72)  
 DATA: DEPTH METERS / PH H ION CONC



1973 PH DATA  
 STATION: A7 SEWER OUTFALL  
 DATA: DEPTH METERS / PH H ION CONC



## PHYSICAL DATA REPORT

STATION: 07 SEWER OUTFALL (71-72)  
 LATITUDE: 033°44'12" N LONGITUDE: 118°15'28" W

RECORDING - DEPTH - TEMPERATURE  
 DATE METERS FEET C F

JUNE '71 00 0.0 17.2 63.0 32.70 6.90 0.30

01 3.3 16.8 62.2 32.80 7.00 0.31

03 9.8 16.0 60.8 33.30 5.80 0.24

04 13.1 16.0 60.8 33.10 5.50 0.22

JULY '71 00 0.0 20.3 68.5 33.32 11.10

AUG '71 00 0.0 22.5 72.5 35.02 6.50

01 3.3 22.3 72.1 35.00 6.50

02 6.6 21.0 69.8 34.80 6.50

03 9.8 20.2 68.4 34.80 6.50

04 13.1 19.8 67.6 34.80 6.50

SEPT '71 00 0.0 19.8 67.6 36.20 11.40 6.35

01 3.3 19.8 67.6 36.20 12.50 6.46

02 6.6 19.4 66.9 35.90 12.00 6.41

03 9.8 19.3 66.7 35.70 11.30 6.37

OCT '71 00 0.0 17.9 64.2 36.40 7.50 6.20

00 0.0 18.1 64.6 36.40 7.30 6.07

01 3.3 17.5 63.5 36.40 6.00 6.21

01 3.3 16.1 64.6 36.40 6.40 6.14

02 6.6 17.2 63.0 36.60 6.80 6.14

02 6.6 17.6 63.7 36.60 7.80 6.11

03 9.8 17.0 62.6 36.80 6.10 6.09

03 9.8 17.4 63.3 36.80 6.70 6.03

04 13.1 17.3 63.1 36.80 5.90 7.96

05 16.4 17.2 63.0 36.80 5.60 7.96

JUNE '72 00 0.0 16.0 60.8 35.55 7.86 6.08

01 3.3 15.5 59.9 35.55 7.86 6.08

02 6.6 15.0 59.0 36.00 8.16 6.16

03 9.8 14.5 58.1 36.01 8.16 6.16

04 13.1 14.5 58.1 36.01 8.16 6.16

JULY '72 00 0.0 16.0 60.8 35.55 7.86 6.08

01 3.3 15.5 59.9 35.55 7.86 6.08

02 6.6 15.0 59.0 36.00 8.16 6.16

03 9.8 14.5 58.1 36.01 8.16 6.16

04 13.1 14.5 58.1 36.01 8.16 6.16

## PHYSICAL DATA REPORT

STATION: 07 SEWER OUTFALL (71-72)  
 LATITUDE: 033°44'12" N LONGITUDE: 118°15'26" W

RECORDING - DEPTH - TEMPERATURE  
 DATE METERS FEET C F

JAN '72 00 0.0 12.3 54.1 35.10 7.00

01 3.3 12.1 53.8 35.10 6.50

02 6.6 11.9 53.4 35.50 6.10

03 9.8 11.7 53.1 35.70 5.20

04 13.1 11.7 53.1 36.20 6.60

FEB '72 00 0.0 12.5 54.5 34.50 5.20

01 3.3 12.5 54.5 34.70 5.00

02 6.6 12.5 54.5 34.90 4.90

03 9.8 12.6 54.7 34.80 5.00

04 13.1 12.6 54.7 34.80 5.00

MAR '72 00 0.0 15.6 59.4 34.55 4.10

01 3.3 15.2 59.4 35.09 5.00

02 6.6 15.1 59.2 35.27 3.50

03 9.8 14.9 58.8 35.27 3.50

APR '72 00 0.0 18.5 59.4 35.95 4.40

01 3.3 17.6 59.4 35.95 4.40

02 6.6 17.6 59.4 35.95 4.40

03 9.8 16.4 59.4 35.95 4.40

04 13.1 16.0 59.8 35.95 4.40

05 16.0 16.0 59.8 35.95 4.40

MAY '72 00 0.0 16.5 61.7 34.23 5.10

01 3.3 16.5 61.7 34.58 5.80

02 6.6 15.5 59.9 35.37 10.75

03 9.8 15.5 59.9 35.37 10.75

04 13.1 16.0 59.8 35.10 7.10

JUNE '72 00 0.0 19.5 67.1 33.21 2.60

01 3.3 18.0 64.4 35.11 5.80

02 6.6 17.7 63.9 35.37 5.60

03 9.8 17.2 63.0 35.72 3.60

04 13.1 16.3 61.3 35.73 2.40

JULY '72 00 0.0 20.8 69.4 33.47 4.20

01 3.3 18.6 65.5 34.61 4.50

02 6.6 17.3 63.1 35.11 3.40

03 9.8 16.7 62.1 35.37 3.10

04 13.1 16.3 61.3 35.73 2.40

PHYSICAL DATA REPORT

PHYSICAL DATA REPORT

PHYSICAL-TESTS REPORT

STATION: 07 SEWER OUTFALL (71-72)		LATITUDE: 033°44'11.2 N		LONGITUDE: 116°15'26" E	
RECORDING DATE	DEPTH - METERS	TEMPERATURE - °C	TEMPERATURE - °E	SALINITY - PPT	DIS. OXYG. PPM - H
AUG 172	0.0	0.0	19.9	67.8	36.25
	0.1	3.3	19.0	66.2	35.03
	0.2	6.6	18.6	65.5	34.52
	0.3	9.8	16.9	62.4	35.03
SEPT 172	0.0	0.0	20.6	65.1	33.56
	0.1	3.3	19.9	67.8	34.20
	0.2	6.6	19.7	67.5	34.53
	0.3	9.8	19.6	67.3	34.61
NOV 172	0.0	0.0	16.1	61.0	33.42
	0.0	0.0	15.2	59.9	33.74
	0.1	3.3	14.9	58.8	33.82
	0.1	3.3	15.1	59.2	34.15
	0.2	6.6	15.5	59.9	34.74
	0.2	6.6	15.2	59.4	34.11
	0.3	9.8	15.2	59.4	34.20
	0.3	9.8	15.5	59.9	34.92
	0.4	13.1	15.2	59.4	34.47
DEC 172	0.0	0.0	13.9	57.0	34.33
	0.1	3.3	14.3	57.7	34.07
	0.2	6.6	14.1	57.4	34.26
	0.3	9.8	13.9	57.0	34.42
	0.4	13.1	14.5	58.1	34.72
JAN 173	0.0	0.0	13.9	57.0	33.40
	0.1	3.3	13.1	55.6	34.96
	0.2	6.6	13.0	55.4	35.15
	0.3	9.8	13.0	55.4	35.24
	0.4	13.1	13.1	55.6	35.24

STATION: A7 SEWER OUTFALL      LONGITUDE: 118:15:26 W  
 LATITUDE: 033:44:12 N  
 RECORDING - DEPTH - TEMPERATURE      SALINITY OIS OSG PH  
 DATE - METERS FEET C E PT PT PT  
 10/15/01 100 32.8 25.5 34.5 34.5 34.5 34.5

STATION: A7 SEWER OUTFALL      LONGITUDE 118:15:26 W  
 LATITUDE 033:44:12 N      PH  
 G - DEPTH - TEMPERATURE      SALINITY CIS OXG EIG CO  
 METERS FEET °C °F PPT EPI BFM

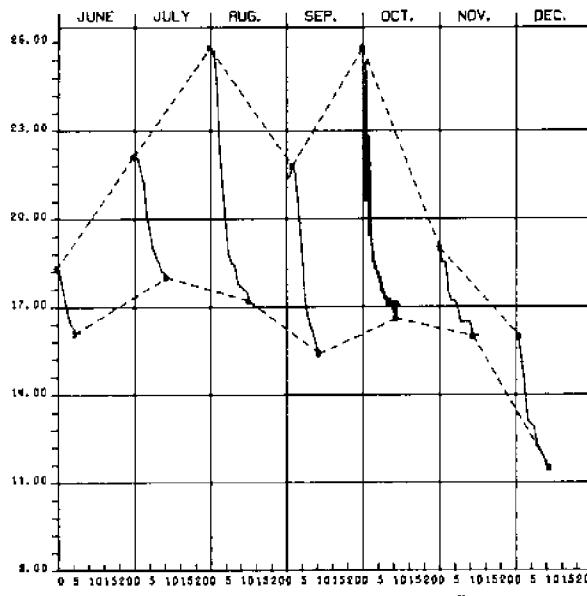
## ALLAN HANCOCK FOUNDATION

## PHYSICAL DATA REPORT

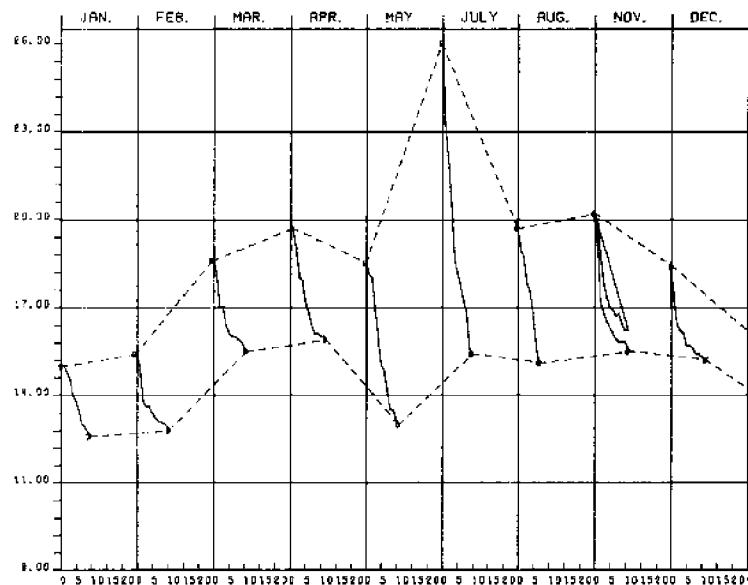
STATION: A7 SEWER OUTFALL      LATITUDE 033°44'12" N      LONGITUDE 116°15'26" W

RECORDING DATE	- DEPTH - METERS FEET	TEMPERATURE °C °F	SALINITY PPM	CIS OXYG PPM	PH	H-ION CONC
OCT 4 73	0.0	16.0 64.4	32.40	5.70	7.81	
	0.1	17.0 63.3	33.30	5.00	7.90	
	0.2	17.0 63.0	33.30	6.00	7.86	
	0.3	17.2 63.0	33.30	5.60	7.86	
NOV 4 73	0.0	17.0 64.0	32.50	5.66	7.94	
	0.1	16.8 62.2	33.20	6.40	6.18	
	0.2	16.4 61.5	33.40	6.40	7.98	
	0.3	16.3 61.3	33.40	5.00	7.60	

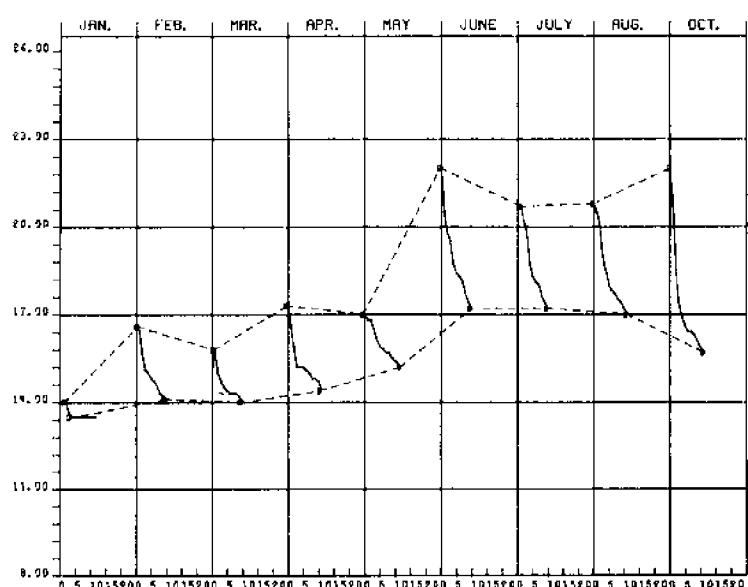
1971 TEMPERATURE DATA  
 STATION: 08 WEST BASIN (71-72)  
 DATA: DEPTH METERS / TEMP CELSIUS



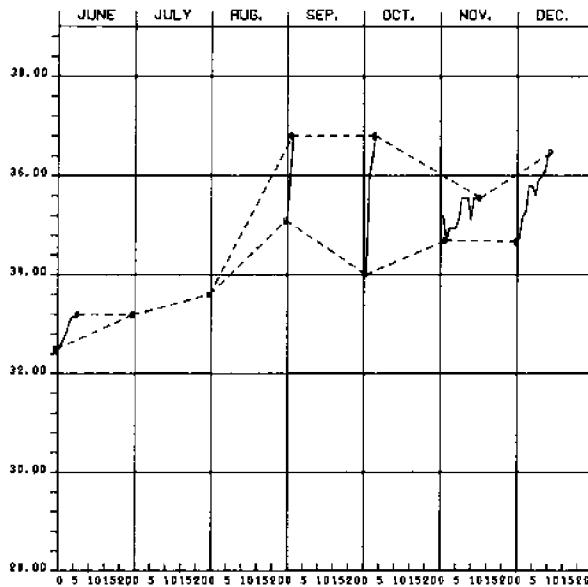
1972 TEMPERATURE DATA  
 STATION: 08 WEST BASIN (71-72)  
 DATA: DEPTH METERS / TEMP CELSIUS



1973 TEMPERATURE DATA  
 STATION: 08 WEST BASIN  
 DATA: DEPTH METERS / TEMP CELSIUS

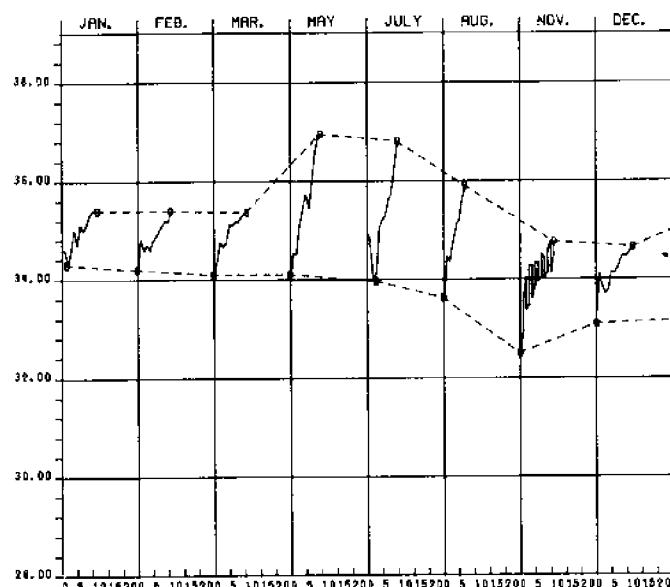


1971 SALINITY DATA



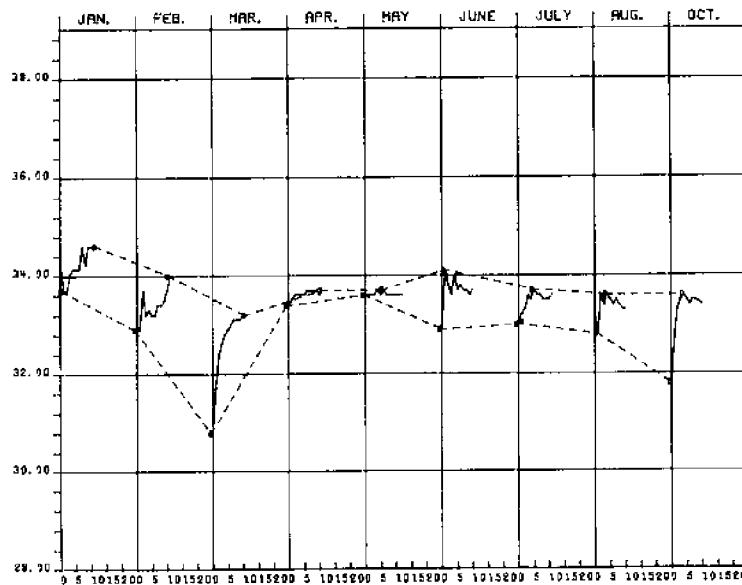
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**1972 SALINITY DATA**  
**WEST BASIN (71-72)**



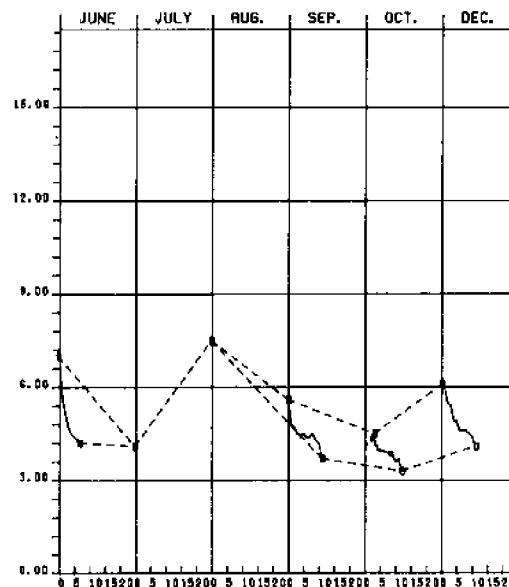
1973 SALINITY DATA

STATION: WEST BASIN  
DATA: DEPTH METERS / SAL PPT

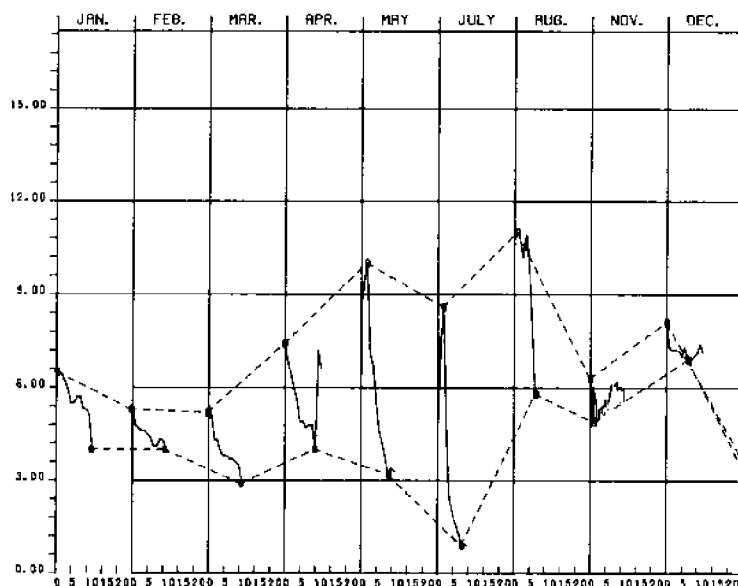


1971 DISSOLVED OXYGEN  
STATION: 08 WEST BASIN (71-72)  
DATA: DEPTH METERS / DIS OXG PPM

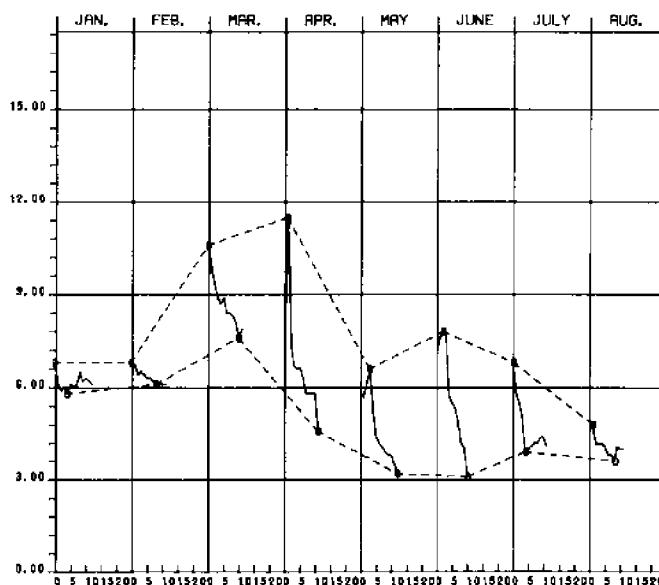
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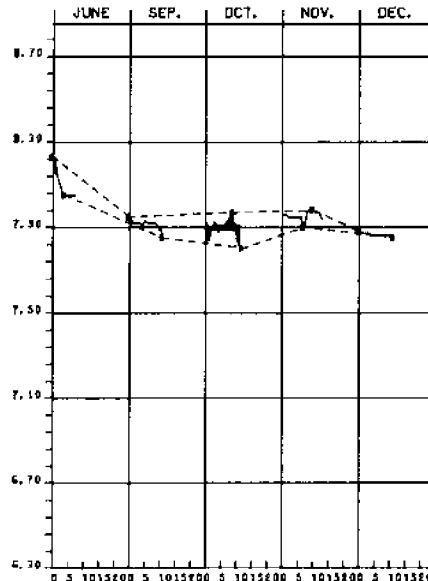
1972 DISSOLVED OXYGEN  
STATION: 08 WEST BASIN (71-72)  
DATA: DEPTH METERS / DIS OXG PPM



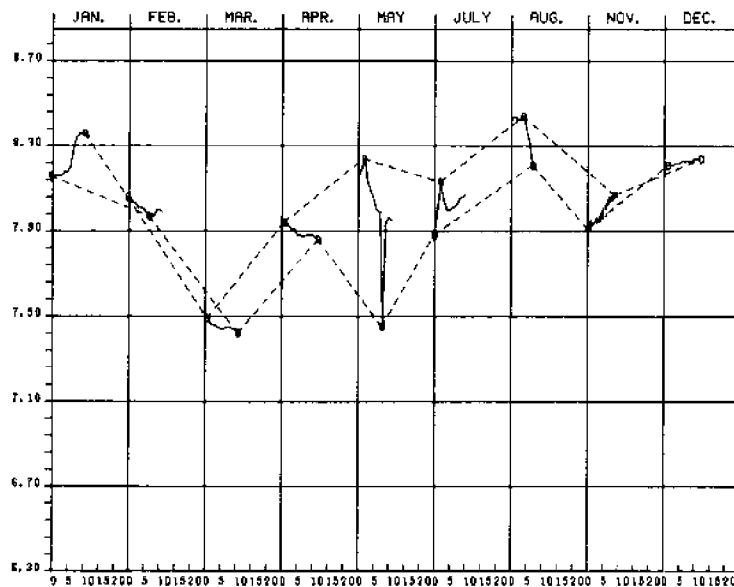
1973 DISSOLVED OXYGEN  
STATION: 08 WEST BASIN  
DATA: DEPTH METERS / DIS OXG PPM



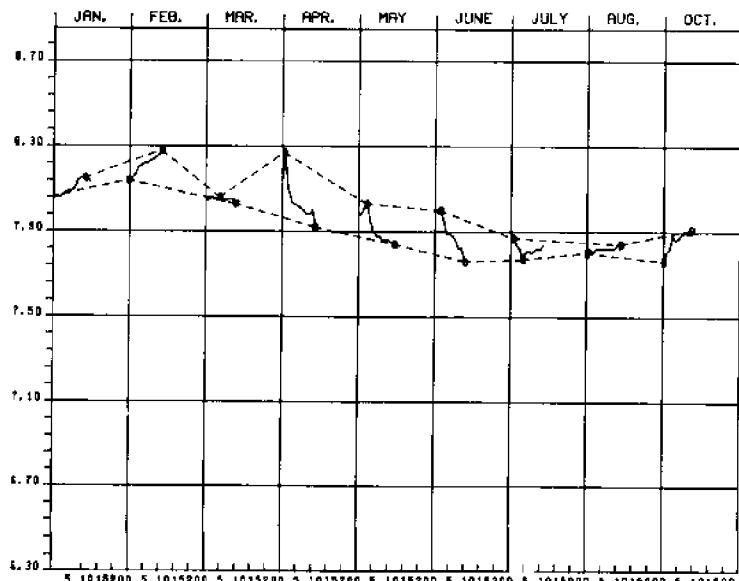
1971 PH DATA  
STATION: 08 WEST BASIN (71-72)  
DATA: DEPTH METERS / PH H ION CONC



1972 PH DATA  
STATION: 08 WEST BASIN (71-72)  
DATA: DEPTH METERS / PH H ION CONC



1973 PH DATA  
STATION: 08 WEST BASIN  
DATA: DEPTH METERS / PH H ION CONC



## ALLAN HANCOCK FOUNDATION

## PHYSICAL--DATA--REPORT

STATION: 08 WEST BASIN (71-72)		LATITUDE 033°46.00 N		LONGITUDE 116°16'14" W		RECORDING DATE JUNE 71		DEPTH - METERS		TEMPERATURE °C		SALINITY PPT		DIS CXG EPM		PH M. ION. SDNC		RECORDING DATE JULY 71		DEPTH - METERS		TEMPERATURE °C		SALINITY PPT		DIS CXG EPM		PH M. ION. SDNC	
00	0.0	16.3	64.9	32.50	7.00	0.23	SEPT 71	0.0	0.0	21.5	70.7	35.10	5.60	7.95	0.0	0.0	21.4	70.5	35.50	4.80	7.92	0.0	0.0	21.6	71.2	36.80	4.70	7.92	
01	3.3	17.8	64.0	32.60	5.70	8.15		0.1	3.3	21.4	63.3				0.2	6.6	21.6	62.1				0.3	6.6	21.5	62.1				
03	6.8	16.8	62.2	32.90	4.70	8.06		0.3	9.8	21.5	62.1				0.3	9.8	21.5	62.1				0.4	5.0	20.4	62.1				
04	13.1	16.4	61.5	33.10	4.50	8.05		0.4	13.1	20.4	62.1				0.4	13.1	20.4	62.1				0.5	4.50	19.4	62.1				
06	19.7	16.1	61.0	33.20	4.30	8.05		0.5	16.4	19.0	62.1				0.5	16.4	19.0	62.1				0.6	4.40	18.3	62.1				
07	23.0	16.1	61.0	33.20	4.20	8.05		0.6	19.7	17.4	62.1				0.6	19.7	17.4	62.1				0.7	4.40	16.7	62.1				
09	29.5	16.2	60.2	33.20	4.10	8.05		0.7	23.0	16.7	62.1				0.7	23.0	16.7	62.1				0.8	4.40	16.3	62.1				
10	32.8	18.1	60.2	20.1	6.82	8.05		0.9	29.5	16.0	62.1				0.9	29.5	16.0	62.1				1.0	4.50	15.6	62.1				
11	36.1	16.0	64.4	64.8	4.01	8.05		1.0	32.8	15.6	62.1				1.0	32.8	15.6	62.1				1.1	4.50	15.4	62.1				
12	39.4	17.5	63.5	65.3	4.01	8.05		1.1	36.1	15.4	62.1				1.1	36.1	15.4	62.1				1.2	4.50	15.0	62.1				
13	42.6	17.2	63.0	65.1	4.01	8.05		1.2	39.4	15.0	62.1				1.2	39.4	15.0	62.1				1.3	4.50	14.6	62.1				
00	0.0	22.1	71.8	33.20	4.10	8.05		0.0	0.0	22.0	71.6				0.0	0.0	22.0	71.6				0.1	3.3	20.6	69.1				
01	3.3	22.0	71.6	76.2	4.01	8.05		0.1	3.3	25.3	78.4				0.1	3.3	25.3	77.5				0.2	6.6	19.4	66.9				
03	9.8	21.2	70.2	76.2	4.01	8.05		0.2	6.6	22.8	73.0				0.2	6.6	22.8	73.0				0.3	9.8	18.5	65.3				
04	13.1	20.1	68.2	76.2	4.01	8.05		0.3	9.8	18.5	65.3				0.3	9.8	18.5	65.3				0.4	4.40	17.0	65.3				
06	19.7	19.0	66.2	66.2	4.01	8.05		0.4	13.1	19.3	66.7				0.4	13.1	19.3	66.7				0.5	4.40	16.0	66.7				
07	23.0	16.7	65.7	65.7	4.01	8.05		0.5	16.4	18.5	64.4				0.5	16.4	18.5	64.4				0.6	4.40	15.0	64.4				
09	29.5	18.2	64.8	64.8	4.01	8.05		0.6	19.7	17.0	63.1				0.6	19.7	17.0	63.1				0.7	4.40	15.0	63.1				
10	32.8	18.1	64.6	64.6	4.01	8.05		0.7	23.0	16.0	62.6				0.7	23.0	16.0	62.6				0.8	4.40	14.0	62.6				
11	36.1	16.0	64.4	64.4	4.01	8.05		0.8	26.2	17.0	62.6				0.8	26.2	17.0	62.6				0.9	4.40	13.0	62.6				
12	39.4	17.5	63.5	65.3	4.01	8.05		0.9	19.7	17.5	62.6				0.9	19.7	17.5	62.6				1.0	4.40	12.0	62.6				
13	42.6	17.2	63.0	65.1	4.01	8.05		1.0	13.1	16.3	64.9				1.0	13.1	16.3	64.9				1.1	4.40	11.0	64.9				
00	0.0	25.8	76.4	33.60	7.50	8.05		0.1	3.3	25.3	78.4				0.1	3.3	25.3	77.5				0.2	6.6	19.4	66.9				
01	3.3	25.7	76.3	76.3	7.50	8.05		0.2	6.6	22.8	73.0				0.2	6.6	22.8	73.0				0.3	9.8	18.5	65.3				
02	6.6	24.6	76.3	76.3	7.50	8.05		0.3	9.8	18.5	65.3				0.3	9.8	18.5	65.3				0.4	4.40	17.0	65.3				
03	9.8	22.4	72.3	72.3	7.50	8.05		0.4	13.1	18.5	65.3				0.4	13.1	18.5	65.3				0.5	4.40	16.0	65.3				
04	13.1	21.1	70.0	70.0	7.50	8.05		0.5	16.4	18.5	64.4				0.5	16.4	18.5	64.4				0.6	4.40	15.0	64.4				
05	16.4	19.8	67.6	67.6	7.50	8.05		0.6	19.7	17.0	63.1				0.6	19.7	17.0	63.1				0.7	4.40	14.0	63.1				
06	19.7	18.8	65.8	65.8	7.50	8.05		0.7	23.0	17.5	63.5				0.7	23.0	17.5	63.5				0.8	4.40	13.0	63.5				
07	23.0	18.5	65.3	65.3	7.50	8.05		0.8	26.2	17.0	62.6				0.8	26.2	17.0	62.6				0.9	4.40	12.0	62.6				
08	26.2	18.4	65.1	65.1	7.50	8.05		0.9	19.7	17.5	62.6				0.9	19.7	17.5	62.6				1.0	4.40	11.0	62.6				
09	29.5	17.8	64.0	64.0	7.50	8.05		1.0	23.0	17.3	63.1				1.0	23.0	17.3	63.1				1.1	4.40	10.0	63.1				
10	32.8	17.7	63.9	63.9	7.50	8.05		1.1	32.8	16.8	62.8				1.1	32.8	16.8	62.8				1.2	4.40	9.0	62.8				
11	36.1	17.6	63.7	63.7	7.50	8.05		1.2	36.1	16.6	61.9				1.2	36.1	16.6	61.9				1.3	4.40	8.0	61.9				
12	39.4	17.5	63.5	63.5	7.50	8.05		1.3	39.4	16.6	61.9				1.3	39.4	16.6	61.9				1.4	4.40	7.0	61.9				
13	42.6	17.2	63.0	63.0	7.50	8.05		1.4	42.6	16.6	61.9				1.4	42.6	16.6	61.9				1.5	4.40	6.0	61.9				
00	0.0	25.8	76.4	33.60	7.50	8.05		0.1	3.3	25.3	78.4				0.1	3.3	25.3	77.5				0.2	6.6	19.4	66.9				
01	3.3	25.7	76.3	76.3	7.50	8.05		0.2	6.6	22.8	73.0				0.2	6.6	22.8	73.0				0.3	9.8	18.5	65.3				
02	6.6	24.6	76.3	76.3	7.50	8.05		0.3	9.8	18.5	65.3				0.3	9.8	18.5	65.3				0.4	4.40	17.0	65.3				
03	9.8	22.4	72.3	72.3	7.50	8.05		0.4	13.1	18.5	65.3				0.4	13.1	18.5	65.3				0.5	4.40	16.0	65.3				
04	13.1	21.1	70.0	70.0	7.50	8.05		0.5	16.4	18.5	64.4				0.5	16.4	18.5	64.4				0.6	4.40	15.0	64.4				
05	16.4	19.8	67.6	67.6	7.50	8.05		0.6	19.7	17.0	63.1				0.6	19.7	17.0	63.1				0.7	4.40	14.0	63.1				
06	19.7	18.8	65.8	65.8	7.50	8.05		0.7	23.0	17.5	63.5				0.7	23.0	17.5	63.5				0.8	4.40	13.0	63.5				
07	23.0	18.5	65.3	65.3	7.50	8.05		0.8	26.2	17.0	62.6				0.8	26.2	17.0	62.6				0.9	4.40	12.0	62.6				
08	26.2	18.4	65.1	65.1	7.50	8.05		0.9	19.7	17.5	62.6				0.9	19.7	17.5	62.6				1.0	4.40	11.0	62.6				
09	29.5	17.8	64.0	64.0	7.50	8.05		1.0	23.0	17.3	63.1				1.0	23.0	17.3	63.1				1.1	4.40	10.0	63.1				
10	32.8	17.7	63.9	63.9	7.50	8.05		1.1	32.8	16.8	62.8				1.1	32.8	16.8	62.8				1.2	4.40	9.0	62.8				
11	36.1	17.6	63.7	63.7	7.50	8.05		1.2	36.1	16.6	61.9				1.2	36.1	16.6	61.9				1.3	4.40	8.0	61.9				
12	39.4	17.5	63.5	63.5	7.50	8.05		1.3	39.4	16.6	61.9				1.3	39.4	16.6	61.9				1.4	4.40	7.0	61.9				
13	42.6	17.2	63.0	63.0	7.50	8.05		1.4	42.6	16.6	61.9				1.4	42.6	16.6	61.9				1.5	4.40	6.0	61.9				

## PHYSICAL--DATA--REPORT&lt;/div

## PHYSICAL DATA REPORT

STATION: 06 WEST BASIN (71-72)		LONGITUDE 033°46'00" N		LONGITUDE 118°16'14" W		STATION: 08 WEST BASIN (71-72)		LONGITUDE 033°46'00" N		LONGITUDE 118°16'14" W	
RECORDING DATE	DEPTH - METERS - FEET	TEMPERATURE °C	TEMPERATURE °F	SALINITY PPT	DIS CXG EBM	PH ION SENS	RECORDING DATE	DEPTH - METERS FEET	TEMPERATURE °C	TEMPERATURE °F	SALINITY PPT
NOV '71	0.0	19.0	66.2	35.11	7.96	JAN '72	0.0	0.0	15.0	59.0	34.60
01	3.3	18.5	65.3	35.20	7.95		01	3.3	15.0	59.0	34.60
02	6.6	18.5	65.0	34.69	7.95		02	6.6	14.8	56.6	34.30
03	9.8	17.5	63.5	34.94	7.95		03	9.8	14.5	58.1	34.60
04	13.1	17.2	63.0	34.94	7.95		04	13.1	14.0	57.2	35.00
05	16.4	17.2	63.0	34.94	7.95		05	16.4	13.8	56.8	34.70
06	19.7	17.0	62.6	35.11	7.95		06	19.7	13.4	56.1	35.10
07	23.0	16.5	61.7	35.55	7.90		07	23.0	13.0	55.4	35.00
08	26.2	16.5	61.7	35.55	7.97		08	26.2	12.9	55.2	35.10
09	29.5	16.5	61.7	35.55	7.98		09	29.5	12.7	54.9	35.30
10	32.8	16.5	61.7	35.11	7.98		10	32.8	12.6	54.7	35.40
11	36.1	16.0	60.8	35.55	7.97		11	36.1	12.6	54.7	35.40
12	39.4	16.0	60.8	35.55	7.97		12	39.4	12.6	54.7	35.40
13	42.6	16.0	60.8	35.55	7.94						
DEC '71	0.0	15.9	60.6	34.66	6.10	FEB '72	0.0	0.0	15.4	59.7	34.20
01	3.3	16.0	60.8	34.75	6.00		01	3.3	15.0	59.0	34.80
02	6.6	15.1	59.2	35.19	6.50		02	6.6	13.8	56.8	34.60
03	9.8	14.3	57.7	35.28	7.87		03	9.8	13.5	56.5	34.70
04	13.1	13.1	56.6	35.81	7.87		04	13.1	13.6	56.5	34.60
05	16.4	13.0	55.4	35.81	7.86		05	16.4	13.4	56.1	34.80
06	19.7	12.9	55.2	35.61	4.60		06	19.7	13.2	55.8	34.90
07	23.0	12.3	54.1	35.90	4.60		07	23.0	13.1	55.6	35.00
08	26.2	12.1	53.8	35.99	4.60		08	26.2	13.1	55.6	35.10
09	29.5	11.9	53.4	36.08	4.50		09	29.5	13.0	55.4	35.20
10	32.8	11.6	52.9	36.37	4.40		10	32.8	12.9	55.2	35.20
11	36.1	11.5	52.7	36.47	4.10		11	36.1	12.8	55.0	35.40
						MAR '72	0.0	0.0	18.6	65.5	34.10
							01	3.3	18.2	64.8	34.35
							02	6.6	17.0	62.6	34.76
							03	9.8	17.0	62.6	34.67
							04	13.1	16.4	61.5	34.75
							05	16.4	16.1	61.0	35.10
							06	19.7	16.0	60.8	35.10
							07	23.0	16.0	60.8	35.19
							08	26.2	15.9	60.6	35.19
							09	29.5	15.8	60.4	35.26
							10	32.8	15.6	60.1	35.37
							11	36.1	15.5	59.9	35.37

## PHYSICAL DATA REPORT

STATION: 08 WEST BASIN (71-72)		LONGITUDE 033°46'00" N		LONGITUDE 118°16'14" W		STATION: 06 WEST BASIN (71-72)		LONGITUDE 033°46'00" N		LONGITUDE 118°16'14" W	
RECORDING DATE	DEPTH - METERS FEET	TEMPERATURE °C	TEMPERATURE °F	SALINITY PPT	DIS CXG EBM	RECORDING DATE	DEPTH - METERS FEET	TEMPERATURE °C	TEMPERATURE °F	SALINITY PPT	DIS CXG EBM
JAN '72	0.0	0.0	15.0	59.0	34.60	0.0	0.0	15.0	59.0	34.60	8.16
		01	3.3	15.3	34.60			02	6.6	14.8	56.50
			03	9.8	34.30			03	9.8	14.5	58.16
			04	13.1	34.60			04	13.1	14.0	57.20
			05	16.4	34.70			05	16.4	13.7	56.16
			06	19.7	35.00			06	19.7	13.4	55.90
			07	23.0	35.30			07	23.0	13.1	55.70
			08	26.2	35.40			08	26.2	13.0	55.60
			09	29.5	35.30			09	29.5	12.9	55.50
			10	32.8	35.20			10	32.8	12.8	55.40
			11	36.1	35.10			11	36.1	12.7	55.30

PHYSICAL DATA REPORT

PHYSICAL DATA REPORT

STATION: 08 WEST BASIN (71-72)  
 LATITUDE 033°46'00" N  
 LONGITUDE 118°16'14" W

RECORDING	-	DEPTH -	TEMPERATURE	SALINITY	DIS OXY	PH
DATE	METERS	FEET	C.	PPT	PPM	HAN CONC
APR 172	00	0-0	19.7	67.5	7.40	7.93
	01	3.3	19.7	67.5	6.80	7.94
	02	6.6	19.0	66.2	6.50	7.93
	03	9.8	18.0	64.4	6.00	7.91
	04	13.1	17.9	64.2	5.60	7.91
	05	16.4	17.2	63.0	4.90	7.88
	06	19.7	16.8	62.2	4.90	7.88
	07	23.0	16.4	61.5	4.70	7.87
	08	26.2	16.1	61.0	4.80	7.88
	09	29.5	16.1	61.0	4.80	7.88
	10	32.8	16.0	60.8	4.80	7.88
	11	36.0	16.0	60.8	7.20	7.87
	12	39.4	15.9	60.6	6.60	7.86
MAY 172	00	0-0	18.5	65.3	6.45	8.15
	01	3.3	18.1	64.6	5.52	8.20
	02	6.6	18.0	64.4	3.60	8.24
	03	9.8	16.9	62.4	35.11	6.13
	04	13.1	15.9	60.6	35.46	6.70
	05	16.4	15.0	59.0	35.73	6.60
	06	19.7	14.8	58.6	35.44	8.00
	07	23.0	14.1	57.4	36.01	4.20
	08	26.2	13.5	56.3	36.57	3.70
	09	29.5	13.5	56.3	36.92	3.20
	10	32.8	13.1	55.6	36.95	3.40
	11	36.1	13.0	56.4	3.30	7.95
JULY 172	00	0-0	26.0	76.8	34.95	4.30
	01	3.3	23.3	73.9	34.80	7.40
	02	6.6	22.2	72.0	34.05	8.60
	03	9.8	20.6	69.1	33.96	4.60
	04	13.1	18.7	65.7	35.03	2.40
	05	16.4	18.2	64.6	35.20	1.90
	06	19.7	17.8	64.0	35.26	1.60
	07	23.0	17.2	63.0	35.63	1.30
	08	26.2	16.9	62.4	35.72	0.90
	09	29.5	15.6	60.1	0.90	0.05
	10	32.8	15.4	59.7	36.81	0.05

PHYSICAL DATA REPORT

STATION: 06 WEST BASIN (71-72)  
LATITUDE 033°46'00" N      LONGITUDE 118°16'14" W

RECORDING	DEPTH - METERS	TEMPERATURE C. F.	SALINITY PPT	DIS OXG PPM	PH MILLION CONC
DATE	FEET				
AUG 72	00	0.0	19.7	67.5	23.63
	01	3.3	18.9	66.0	34.44
	02	6.6	18.7	65.7	34.36
	03	9.8	17.8	64.0	34.77
	04	13.1	17.5	63.5	35.11
	05	16.4	16.8	62.2	35.20
	06	19.7	15.6	60.1	35.64
	07	23.0	15.1	59.2	35.91
NOV 72	00	0.0	20.0	68.0	33.63
	01	3.3	19.1	66.4	32.50
	02	6.6	18.8	65.8	31.63
	03	10.0	17.2	63.0	33.35
	04	13.1	16.8	62.2	33.46
	05	16.4	17.0	62.2	34.26
	06	19.7	17.9	64.2	34.30
	07	23.0	17.3	63.1	34.26
	08	26.2	16.9	62.4	34.33
	09	29.5	16.1	61.0	33.96
	10	32.8	15.9	60.6	34.04
	11	36.1	15.6	62.1	34.50
	12	40.4	15.8	60.4	34.04
	13	43.7	15.8	60.4	34.13
	14	46.1	16.4	61.5	34.58
	15	49.4	16.2	61.2	34.76
	16	52.7	15.8	60.4	34.13
	17	56.0	15.5	59.9	34.47
	18	59.3	15.5	59.9	34.76

PHYSICAL DATA REPORT

STATION: 08 WEST BASIN (71-72)  
LATITUDE 033°46.00' N      LONGITUDE 118°16.14' W

RECORDING	- DEPTH - MEETERS_EFF.	TEMPERATURE C	SALINITY PPT	PH ION CONC	DIS OXG PPM	PH	RECORDING	- DEPTH - MEETERS_FEEET	TEMPERATURE C	SALINITY PPT	PH ION CONC	DIS OXG PPM	PH ION CONC	
DEC '72	0.0	0.0	18.4	65.1	33.09	8.10	8.22	JAN '73	0.0	0.0	14.0	57.2	34.15	8.06
	0.1	3.3	17.2	63.0	34.08	7.30	8.21		0.1	3.3	14.0	57.2	33.55	8.06
	0.2	6.6	16.4	61.5	33.88	7.20	8.21		0.2	6.6	14.0	57.2	33.65	8.06
	0.3	9.8	16.2	61.2	33.70	7.20	8.21		0.3	9.8	13.6	56.5	34.04	8.07
	0.4	13.1	16.1	61.0	33.78	7.20	8.22		0.4	13.1	13.5	56.3	34.13	8.08
	0.5	16.4	15.7	60.3	34.12	7.00	8.22		0.5	16.4	13.5	56.3	34.12	8.09
	0.6	19.7	15.6	60.3	34.12	7.30	8.23		0.6	19.7	13.5	56.3	34.13	8.05
	0.7	23.0	15.6	60.1	34.21	6.90	8.23		0.7	23.0	13.5	56.3	34.66	8.10
	0.8	26.4	15.4	59.7	34.38	6.90	8.23		0.8	26.2	13.6	56.3	34.22	8.14
	0.9	29.5	15.4	59.7	34.47	7.00	8.23		0.9	29.5	13.5	56.3	34.60	8.15
	1.0	32.8	15.3	59.5	34.47	7.00	8.24		1.3	32.8	13.5	56.3	34.50	8.15
	1.1	36.1	15.2	59.4	34.56	7.40	8.24		1.1	36.1	13.5	56.3	34.60	8.15
	1.2	39.4	15.3	59.5	34.65	7.10	8.24		1.2	39.4	13.5	56.3	34.60	8.13
JAN '73	0.0	0.0	16.0	60.8	33.25	3.00		FEB '73	0.0	0.0	16.6	61.9	32.90	8.14
	0.1	3.3	16.1	61.0	33.16	3.50			0.1	3.3	16.6	61.9	32.90	8.15
	0.2	6.6	15.9	60.6	33.86	3.00			0.2	6.6	15.7	60.3	33.70	8.17
	0.3	9.8	15.1	59.2	34.55	3.00			0.3	9.8	15.1	55.2	33.20	8.20
	0.4	13.1	14.9	58.8	34.37	3.00			0.4	13.1	15.0	59.0	33.30	8.21
	0.5	16.4	14.7	58.5	34.54	3.10			0.5	16.4	14.8	58.6	33.20	8.22
	0.6	19.7	14.1	57.4	34.86	2.20			0.6	19.7	14.7	58.5	33.20	8.22
	0.7	23.0	14.1	57.4	34.80	2.50			0.7	23.0	14.5	58.1	33.40	8.23
	0.8	26.4	14.0	57.2	34.80	2.40			0.8	26.2	14.3	57.7	33.40	8.24
	0.9	29.5	13.9	57.0	34.89	2.50			0.9	29.5	14.2	57.6	33.50	8.25
	1.0	32.8	13.9	57.0	34.89	2.40			1.0	32.8	14.1	57.4	33.70	8.26
	1.1	36.1	13.6	56.5	34.97	2.50			1.1	36.1	14.1	57.4	34.00	8.26
	1.2	39.4	13.5	56.3	35.06	2.70								
	1.3	42.6	13.3	55.9	35.34	2.70								
								MAR '73	0.0	0.0	15.0	59.0	30.80	8.04
									0.1	3.3	15.8	60.4	31.70	8.05
									0.2	6.6	15.0	59.0	32.40	8.06
									0.3	9.8	14.7	58.5	32.60	8.05
									0.4	13.1	14.5	58.1	32.80	8.05
									0.5	16.4	14.4	57.9	32.90	8.05
									0.6	19.7	14.3	57.7	33.00	8.04
									0.7	23.0	14.3	57.7	33.10	8.05
									0.8	26.2	14.3	57.7	33.10	8.05
									0.9	29.5	14.2	57.6	33.10	8.05
									1.0	32.8	14.0	57.2	33.20	8.03
									1.1	36.1	14.0	57.2	33.20	8.04

## ALLAN HANCOCK FOUNDATION

## PHYSICAL DATA REPORT

STATION:		WEST BASIN		LONGITUDE 118:16:14 W		STATION: WEST BASIN		LONGITUDE 118:16:14 W	
RECORDING DATE	DEPTH - METERS - FEET	TEMPERATURE C.	SALINITY PPT	DIS OXY PPM	PH ION CONC	RECORDING DATE	DEPTH - METERS - FEET	TEMPERATURE C.	SALINITY PPT
APR *73	00	0.0	17.3	63.1	33.40	JULY *73	00	0.0	20.7
	C1	3.3	16.6	61.9	33.50		01	3.3	20.7
	02	6.6	15.9	60.6	33.60		02	6.6	20.2
	03	9.8	15.2	59.4	33.60		03	9.8	19.9
	04	13.1	15.2	59.4	33.60		04	13.1	18.7
	05	16.4	15.2	59.4	33.60		05	16.4	18.3
	06	19.7	15.1	59.2	33.70		06	19.7	18.1
	07	23.0	15.0	59.0	33.70		07	23.0	18.0
	08	26.2	14.8	58.6	33.70		08	26.2	17.6
	09	29.5	14.8	58.6	33.70		09	29.5	17.4
	10	32.8	14.7	58.5	33.60		10	32.8	17.2
	11	36.1	14.4	57.9	33.70		11	36.1	17.2
MAY *73	00	0.0	17.0	62.6	33.60	AUG *73	00	0.0	20.8
	01	3.3	16.8	62.2	33.60		01	3.3	20.5
	02	6.6	16.8	62.2	33.60		02	6.6	20.1
	03	9.8	16.5	61.7	33.60		03	9.8	19.0
	04	13.1	16.1	61.0	33.70		04	13.1	18.5
	05	16.4	15.9	60.6	33.60		05	16.4	18.0
	06	19.7	15.6	60.4	33.70		06	19.7	17.8
	07	23.0	15.7	60.3	33.60		07	23.0	17.7
	08	26.2	15.7	60.3	33.60		08	26.2	17.5
	09	29.5	15.5	59.9	33.60		09	29.5	17.4
	10	32.8	15.4	59.7	33.60		10	32.8	17.2
	11	36.1	15.3	59.5	33.60		11	36.1	17.0
	12	39.4	15.2	59.4	33.60				
JUNE *73	00	0.0	22.0	71.6	32.90	OCT *73	00	0.0	22.0
	01	3.3	20.5	68.9	34.10		01	3.3	20.8
	02	6.6	19.8	67.6	33.80		02	6.6	18.5
	03	9.8	19.5	67.1	33.60		03	9.8	17.4
	04	13.1	18.7	65.7	34.00		04	13.1	16.9
	05	16.4	18.4	65.1	35.70		05	16.4	16.4
	06	19.7	18.3	64.9	33.80		06	19.7	16.4
	07	23.0	18.1	64.6	33.70		07	23.0	16.3
	08	26.2	17.7	63.9	33.70		08	26.2	16.3
	09	29.5	17.4	63.3	33.60		09	29.5	16.1
	10	32.8	17.2	63.0	33.70		10	32.8	16.0

## PHYSICAL DATA REPORT

## ALLAN HANCOCK FOUNDATION

